

SIXTY-FIRST ANNUAL REPORT

*of the* BOARD OF TRUSTEES *of the*

OHIO STATE UNIVERSITY

TO THE GOVERNOR OF OHIO

FOR THE YEAR ENDING  
JUNE 30, 1931

MCMXXXI  
THE OHIO STATE UNIVERSITY  
COLUMBUS, OHIO

THE OHIO STATE UNIVERSITY

HONORABLE GEORGE WHITE,

*Governor of Ohio*  
*Columbus, Ohio*

MY DEAR SIR:

I have the honor to present to you the annual report of the Board of Trustees of the Ohio State University for the year ending June 30, 1931, as required by law.

Yours very truly,

JULIUS F. STONE,  
*Chairman Board of Trustees.*

# ANNUAL REPORT OF THE PRESIDENT

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## ANNUAL REPORT OF THE PRESIDENT

HONORABLE JULIUS F. STONE

*Chairman of the Board of Trustees  
The Ohio State University*

DEAR SIR:

I have the honor to present through you to the Board of Trustees of the Ohio State University for transmission to the Governor of Ohio, as required by law, the Sixty-first Annual Report of the Ohio State University for the year ending June 30, 1931.

### NEW BUILDINGS

The new buildings for which appropriations were made by the Eighty-eighth General Assembly have made notable progress, and one of them has been occupied through the entire year; this is the Pharmacy and Bacteriology Building which has been built on the east side of Neil Avenue at Seventeenth Avenue, and accommodates the College of Pharmacy and the Department of Bacteriology. These two activities of the University were inadequately accommodated in their old locations for many years. They now find adequate and stimulating quarters in this new building, and have been able to arrange their program in a most progressive fashion.

Another new building is that to be devoted to Physical Education; supplementing this building is a natatorium connected therewith architecturally and physically so that the two buildings may be used for the common purposes of physical education for men. The natatorium is being built out of the funds of the Athletic Association, and the State, therefore, bears no part of its cost. Like the Stadium it is a gift from athletics to education. The construction of these buildings went on with remarkable speed through one of the most open winters ever experienced in this latitude, and it is expected that both will be ready for use in the Autumn Quarter of next year. This will permit the removal of Physical Education activities from the old Gymnasium and Armory where, for many years, these have been in cramped quarters and existing with inadequate facilities. The specific use for the old Gymnasium has not yet been determined, but it will probably constitute headquarters for the Military Department.

The third building given by the last Legislature is that for the University High School. This building has gone forward very rapidly and will be well arranged and spacious, and in its interior appointments skillfully adapted to the high-school use. This building will be completed about January 1, 1932, but financial exigencies of the University will require some postponement of its opening. When in use for high-school purposes it will constitute a working laboratory for the College of Education in providing considerable teaching experience for the young men and women in the University who are preparing for the business of teaching; in that manner the University will be enabled to send into the ranks of the teachers of the State young men and young women who will have received much more adequate preparation than has hitherto been possible at this institution. Also it is expected that the quality of the staff in the high school will be so excellent that the teaching done there will furnish

a demonstration to the teachers of Ohio of the way in which high-school work should be conducted when it is at maximum. The integration of fields of knowledge which it is expected will take place in organizing the courses and the curricula in the high school is an adventure that is very greatly needed in public education, and the staff of the College of Education and of the high school, and of sundry departments of the University, will give enthusiastic cooperation in the formulation of these courses and in the methods of their presentation, which will give a continuity and an integrity to the learning of the high-school boy and girl greatly needed and seldom attained. These and other high purposes will motivate the activities of the University High School, and it is believed that it will make a very substantial and highly practical contribution to secondary education and its procedures.

A major addition to the Botany and Zoology Building was also made possible by the Eighty-eighth General Assembly, and this expansion of the facilities of these two departments will provide accommodations of which they have long been in need. They are very progressive in their methods of dealing with students in the classroom and the laboratory, and the original investigations going forward in these departments in the Division of Entomology of the Department of Zoology will receive great benefit from these increased facilities. Staffs of these departments are vigorous and enthusiastic and will make full utilization of all the facilities now to be provided in the old building supplemented by the considerable addition.

By contrast it may be noted that the Eighty-ninth General Assembly found itself entirely unable to add to the buildings of the University, on account of the general financial depression in which not only Ohio but the United States generally finds itself today. A building moratorium for a biennium will not seriously injure the University, but it is hoped that some of the buildings which are quite necessary in the most effective operation of the University may be provided by the next General Assembly.

Another building rendered possible by the financial plan which permitted the University to focus its financial resources at certain desirable points, is the Home Management Building which is now about complete, and which will be ready for use in the Autumn Quarter. This is a brick and timber two-apartment residence building facing Eleventh Avenue, in which the Department of Home Economics will carry on its demonstrations in home management, and the young women in that work will thereby secure the opportunity to study home furnishing, home decoration, management of the household, and the great variety of problems which arise in managing the home. The demonstration is of the highest practical nature and gives valuable training. For this purpose the University for a number of years has used a part of one of the floors in Campbell Hall and has rented a small building outside; this new home will relieve the University from the rent and also release the space in Campbell Hall for other work of the Department of Home Economics, and an economy is, therefore, effected all around. The new home management house is modest but will be equipped with present-day facilities and according to the ideas of the present time, and will be the source of better homes for Ohio.

#### SHORT COURSES IN AGRICULTURE

After years of experience the College of Agriculture concluded that there was a definite call for courses which might be carried on for a few days or a



week with a program organized particularly to serve the needs of a special group. Accordingly, last autumn and winter, courses were planned in the Department of Horticulture adapted to florists, nurserymen, vegetable growers, canners, and others; in the Department of Dairy Technology, dealing with market milk, butter, cheese and ice-cream manufacture; also appropriate courses in the Department of Animal Husbandry, in the Department of Agricultural Engineering, and in Poultry Husbandry. The spread of these courses is very great and they are practically all given in concentrated form, but diluted and generalized sufficiently for a group of butter manufacturers, or vegetable gardeners, or commercial florists, or others, to get and absorb the newer practices in their fields, and to obtain in practical form the latest advances in science for their everyday use.

This is a still further adjustment of the activities of the College of Agriculture to the needs of the people actually engaged in agriculture, and is a stimulating supplement to the many other activities carried on in this College both on the campus and out over the State. In this way the College is instrumental in vitalizing still further the spirit of Senator Morrill.

#### ENDOWMENT AND LOAN FUNDS

The University continues to attract the favorable attention of persons and foundations having funds to spend in particular fields of research; during the year a large number of gifts for the purpose of establishing scholarships or for carrying on investigational work in the particularly designated lines, were given to the institution and the following is a list thereof:

The Payne Fund has given considerable money for the purpose of conducting research in education by radio through the Bureau of Educational Research; this same fund has been supporting investigational activities in the study of the effect of moving pictures upon children, and in the general field of visual education. These funds come to the University on account of the staff of the Bureau which has an enviable standing in the field of educational research.

The Carnegie Corporation, interested in the study of further alumni education and the kind of program desired by alumni and the methods of presenting the same, gave a considerable sum of money to the Department of Adult Education to make this study. Mr. Ferd Stone, a graduate of the University in 1930, has been conducting an intensive investigation into this subject in Toledo and elsewhere in Ohio through the year.

In this connection there should receive mention the creation of an Alumni Student Loan Fund Committee which has organized under a charter specifying its purposes and its methods, and which has already been the recipient of some funds and is actively in the field for further funds for this purpose. The investigations of applications by students for loans from this fund must meet the approval of a designated committee, the chief inquiry being carried on by the Dean of Men. This student loan foundation will be carried on vigorously and will endeavor to accumulate funds and to apply them to needy students who have demonstrated their ability to do college work; its very creation is a significant omen of alumni interest.

Alumni interest in students is still further shown by a contribution from the Alpha Epsilon Phi Sorority to a student loan fund to be administered by the student loan committee. It may be here again stated that the Student



Loan Committee consists of the Dean of Women, the Dean of Men, and the Assistant to the President, and this committee has for several years been carrying on a system of relief for students which is completely organized in its method of assistance, and which also emphasizes the responsibility of the student to return the money thus obtained at his earliest convenience, generally with a reasonable interest rate after graduation. In fact, no student loans are gifts outright to the students, and no student really is expecting a pure gift. He recognizes the assistance given to him at any time as a loan which is in good faith to be returned as soon as he is able. The purpose of the loan is to enable him to finish his University work, if possible, so as to place him in a position to begin to support himself and in a reasonable time to repay his obligation, to be in turn advanced for the assistance of others.

The General Education Board manifests a very keen interest in the development of design in ceramic products to give to American ceramic products greater appeal in an artistic way. This Board has financed a scholarship in ceramic art design which is being carried forward as a project in the Division of Ceramic Art of the Department of Fine Arts. Noteworthy progress has been made by the scholar who is the beneficiary of this fund during the past year, and the foundation has been laid for very material progress during the second year. The scholarship has been set up for a period of two years and is being very generously supported by the General Education Board.

A fellowship has been established by the Kay Laboratories to investigate the insecticidal property of penetro and rotenone. This work is going forward in the field of entomology, and the project has been set up, therefore, in the Department of Zoology.

The State Department of Agriculture has had great interest in the incubation and brooding of ring-necked pheasants and other game fowls in Ohio by electric process, and has established a fellowship in the University to carry forward a study of this proposal.

The Engineering Experiment Station is the recipient of money from a variety of sources from time to time for furthering projects which are important to the industries or localities of Ohio. The Ironton Chamber of Commerce has been interested in having a scientific investigation of the clays of Lawrence County and has arranged with the Experiment Station to carry on this study.

The Detroit Community Fund has established here a scholarship in Social Administration for intensive training in the methods of community fund organization and management and maintenance. This work has been going forward under Doctor C. C. Stillman who is a recognized expert in the field of community fund financing.

The National Kraut Packers' Association is supporting a fellowship in the Department of Horticulture for the study of the production of cabbage and the manufacture of kraut therefrom, covering the whole field of production in the kraut industry.

Professor Charles W. Foulk, of the Department of Chemistry, has for some years been very actively studying boiler feedwaters and foams, and has made such progress in that kind of investigation that much attention has been attracted to his work. A research committee has been established by parties interested, for studying the subject, and this committee has provided a sum of money for a scholarship to conduct this investigation under Professor Foulk's

direction. The Department of Chemistry is quite enthusiastic about the prospects of this study.

Other gifts have been presented for other studies and for other similar purposes, but the list given is sufficiently long to indicate the wide interest in the possibilities of study under the direction of University Faculty members, and also to show the spread of the interests which are claiming attention. The University is highly gratified by these concrete evidences of respect for, and reliance upon, its scientific technique and its ability to carry forward scientific projects. Much enthusiasm is stimulated in a Faculty by the presence of these active projects and these manifestations of confidence in the University coming from a variety of sources outside; these sources are always interested in tangible results.

#### UNIVERSITY SPIRIT

Large projects are being carried forward here in various departments and the support for them is continued from year to year by the interested group outside, and it is quite certain that it is the presence and activity of members of a Faculty capable of doing high-class investigational work which strikes a proper university keynote. There must be excellent teaching, excellent ability to organize fields of knowledge for proper presentation to groups of students, and there must be personality and enthusiasm in the teaching group; but there must indispensably be that additional something which is brought into the picture by the presence of Faculty members having the keen ability and vigorous investigational urge which stir live teachers, beckon them forward and upward, and inject the element which marks the difference between a college and a university. It has been well said that a true university teacher functions on three levels, namely, teaching in the elementary field, so as not to depart from a contact with youth in its initial university studies; counseling with upper classmen, to preserve the continuity of his experience with students, and to be able to give the wider range of thought and attention which the student must be prepared to support in those high fields; and on the graduate level, where he may be entirely free to exercise his own organizing and synthesizing and research abilities, and to give the highest type of stimulus to the graduate students. In addition to all this the preferred type of university professor is interested in his peculiar research problems which grow out of his own experience and which give him the maximum opportunity for displaying his intellectual temper. Research must increasingly receive University attention and support; the University must welcome support for research from outside, and it must endeavor to give to the members of the Faculty who are especially gifted in this area appropriate time and means for carrying forward their study. These studies redound to the benefit not only of the research worker but to the University as an institution and make it a place more attractive to do faculty service in on all levels. Sympathetic, highly intelligent, and enthusiastic teaching by great personalities makes of the student body a hive, and a very definite result of higher studies and research activities carried on by members of the Faculty is a degree of buoyancy and stimulus which makes the University Faculty likewise an inspired scholastic community.

Many members of the University Faculty have moving and inspiring relationships with national societies or associations of which they are members. During the past year Professor M. B. Hammond, of the Department of



Economics, was the president of the American Economics Association and in that capacity had a guiding hand in the policies, and presided at the general meetings, of this widespread association in Cleveland at the middle of the year.

Professor William McPherson, Dean of the Graduate School, was during the year the president of the American Chemical Society, and in that capacity visited many colleges and universities, especially in the Middle West, the South, and the southeastern part of the United States.

These two presidencies, which fell to this institution in one year, are positions of eminence in the respective societies; and not only is there large personal return to the two members of our Faculty who filled these positions, but the University itself is emphasized and individualized in the educational world generally. This has a decided toning effect upon the institution and in the minds of the Faculty leaves the impression, not only of institutional worthiness, but of the necessity for the highest individual endeavor to maintain the University at its present status and to contribute such advance thereto as the individual members of the Faculty may each do in his own special field

#### UNIVERSITY HOSPITAL

During the last year a very complete study of the Starling-Loving Hospital was made by the Business Manager of the University and the Dean of the College. Its organization, its relations to the College of Medicine, and its operation and facilities were given the most careful attention in an exhaustive report, on the basis of which the capacity of the hospital was considerably increased and the financial support thereof was enlarged. Significant changes in the organization and in the procedures of the hospital were recommended in this report.

One of the indispensable needs of the University Hospital is more money, and this the University has been supplying in such amounts as its other activities have rendered possible. A considerable charge has always fallen upon the hospital rotary fund, but during the past year a strenuous effort has been made to give relief at that point by setting up more of the hospital personnel on the personal service funds of the University. The matter of organization and operation is one of constant growth and adjustment and we hope improvement, and the study made last year and the consequent changes in various ways mentioned above will enable the Hospital to operate on a plane of greater efficiency and satisfaction.

During the past winter the University sought relief through legislative action and recommended for the consideration of the Legislature a bill which would bring in from outlying counties certain kinds of indigent patients; the thought was that these could be used for clinical material and a certain flat predetermined rate would be charged by the Hospital for their treatment, and a statement for such service could be cleared through the State Auditor's Office. The bill was drawn somewhat on the lines of similar enactments in the States of Michigan, Minnesota, and Iowa, and passed to two hearings before the Senate Finance Committee. However, certain unexpected opposition was presented and the bill did not get beyond the committee stage. The need is for an income of about \$120,000 annually to give the Hospital its greatest efficiency as a remedial and especially a clinical agency, and as a most efficient adjunct to the College of Medicine. It has long been known that medical education is very expensive, and our own College of Medicine and Hospital cannot be brought



to the stage of most effective operation until approximately that additional amount has somehow been provided. The College of Medicine under present conditions, however, enjoys an excellent reputation, and the teaching staff as well as the hospital staff are well selected and enthusiastic; but for that degree of satisfaction and accomplishment at which a college of medicine connected with the State University must inevitably aim, a larger support must somehow be found.

#### DEPARTMENT OF MEDICAL AND SURGICAL RESEARCH

During the year the newly established Department of Medical and Surgical Research became active and has been vigorously carrying on its work in the College of Medicine. Doctor Charles A. Doan has assembled a staff, reasonable quarters have been provided in Hamilton Hall, and the work goes forward enthusiastically. This Department should be thought of in connection with the general forward movement in the College of Medicine, and it is confidently believed that its contribution will be large. The initial impression throughout the College of the spirit and purpose of the Department and of its great possibilities for good is very satisfactory, and there is excellent cooperation between the department and the other departments of the College.

#### LABORATORY SCHOOLS

The elementary school, begun by the University two years ago in one of the Columbus school buildings, was carried on there for one year, and during the past year it has been located in property rented by the University on East Frambes Avenue. The school has been in charge of Professor Laura Zirbes, a member of the faculty of the Department of Principles in the College of Education, and she has been assisted by a corps of teachers who have been carrying the work through the lower six grades. Great interest is shown by the patrons of this school and the attendance has been all that the school could accommodate and the results have been very pleasing. Notably during the year the school was selected by the Western Electric Company for study and exhibition through the medium of moving-talking pictures. These pictures were exhibited among a number of other studies prepared by this company in other schools of certain other educational activities, and at the midwinter meeting in Detroit of the Department of Superintendence of the National Educational Association, and were the occasion of much interest and favorable comment. This elementary school has not yet reached the degree of organization and activity that is contemplated, and so the University takes the greater degree of pride in its selection by the Western Electric Company, which is making a huge investment in its significant program of presenting to all the schools these visual illustrations of the activities taking place in the best schools.

The Board of Trustees has approved the general plan of maintaining university schools, including the pre-school, the elementary school, and the middle school. The Pre-School for several years has been carried on outside of the University under the general supervision of Doctor Jessie A. Charters of the Department of Adult Education, and in that way the school has had University association. The support therefor, however, has come from the State Department of Education. The University does not feel able at the present time to undertake the financing of the Pre-School, although it is sympathetic

with its purpose and its activity and has recognized it as a part of the chain. The purposes which such a school can accomplish are quite evident in connection with the operation of the College of Education and there has been much enthusiasm among the patrons of the school and the attendance has been all that could be desired.

This system of university schools will be under the general control of a director who has already been chosen in the person of Doctor Rudolph Lindquist of California. A very important part of his duties for the next year will be the planning of courses and curricula for the Middle School, selecting its personnel which must be of high quality in order to enable this school to achieve its purposes, and integrating the school so far as that is possible and desirable into the program of the University in the fundamental departments. According to plans adopted by the Board, the Middle School will open about September, 1932. When this takes place the College of Education will have a complete line of practice or training or laboratory schools which should prove to be the center of enlightened theory correctly applied to the great business of elementary and secondary education, of which the school public of Ohio will be the beneficiary. The absence of laboratory schools has been felt by the College of Education from the beginning, and it has been only through the extreme cordiality of the public school authorities of the city of Columbus that the many students preparing to teach have found it possible to obtain the required preliminary classroom training. The University schools will make a vital contribution to the thinking and the practice relating to school organization, methods, formulation of courses and curricula, and integration of work, which we hope will be a source of inspiration for the State.

#### STUDENT SELF-GOVERNMENT

The problems of general administration are much lightened by the organizations among the students themselves for carrying on student government. The Student Senate is an organization for men and the Women's Student Government Association is the organization for the women students. Both of these organizations concern themselves with matters relating to student life and activities, encouraging, or suppressing, or continuing various practices among the students or inaugurating new ones which seem to have considerable student support. Traditions, where there are well-defined ones, are encouraged by these student organizations, and in some traditions the operation is a very important matter. In such cases the student government associations circumscribe the activities of a traditional practice or in some manner give regulation or supervision, and such acts on the part of these organizations are generally well received by the students. They have great confidence in their own student government, and the governing groups have been going along with sanity, intelligence, and progressiveness under the stimulating guidance of Dean Esther Allen Gaw for the women students, and Dean Joseph A. Park for the men students. The Student Court, which has both men and women student members, is a tribunal before which comes a variety of questions relating to student conduct, and this judicial body has been so well staffed and managed, and its decisions have been so full of the spirit of sympathy and justice, that it exercises a great influence on student conduct. Altogether the progress of student government at the Ohio State University is most satisfactory, and very few problems arise which call for the attention of the general administra-



tion. The practice on the part of the President is to interfere as little as possible with the program of the Dean of Men and the Dean of Women, and the student governing organization, and the confidence in them all has been completely justified. Student discipline is almost unknown in this University; the few cases where discipline is necessary do not reach the sensational stage and the decision in a particular case is rarely questioned.

#### UNIVERSITY HISTORY IN PICTURES

During the year it has at last been possible to take up the photographic history of the University, or the University as it exists in pictures. Professor Joseph N. Bradford, relieved of the duties of the University Architect and with a light assignment in teaching, has found time to begin assembling materials for this history. He is peculiarly adapted to this work since his own recollection of the University goes back to the late seventies and his participation in the activities of the University dates back almost as far. He has undertaken a campaign among the Alumni and friends of the institution to assemble pictures which have any bearing on the University progress or its condition at any particular time, and the responses have been very gratifying to him. Professor Haskett of the Department of Photography has for a quarter of a century been making pictures of University buildings and localities, and events and personages, and this great store of historical material is at Professor Bradford's use also. The compilation of the history is progressing very satisfactorily and Professor Bradford has the greatest joy in the work. When completed this pictorial history of the progress and growth of the University will constitute a rare collection and will be possessed of the greatest value and significance. For years the purpose of formulating a pictorial history was in the minds of Doctor Thompson and Mr. Steeb and in very recent years the matter has come to the front time and again, but only last year did the project, the man, and the hour appear simultaneously on the scene. It is very gratifying to the entire University community that this work is going forward.

#### UNIVERSITY JUNIOR DIVISION

In the year 1927 a University Committee gave careful study to a Junior Division for the University, especially to the needs of the freshmen; as a result of their study the institution of Junior Dean was set up in five colleges of the University and has been functioning progressively ever since. Another division of the report discussed the matter of a formal Junior Division of the University, comprising the first two years which would underlie the entire University; and all colleges would be built upon this Junior Division, starting at the end of the sophomore year. A discussion of this question was referred to the various colleges and the consensus of judgment was that a general Junior Division should not be established at that time, but that each college should have entire freedom in organizing within its own precincts a Junior Division if it deemed such course to be advisable. No one of the colleges has acted on this suggestion except the College of Arts and Sciences, which during the past year adopted a report formulated after two years of study by a committee in that college. This report was very progressive in its nature, recognized the Junior Division for that College, laid down ways and suggested means for integrating the *work* to be done by a student therein, and frankly recognized



that a considerable number of students do not show the capacity to move forward into the Senior area. For such students a certificate of graduation was proposed and considerable freedom was given to the selection of courses in this two-year junior period, so as to permit the student to study in desired fields so related that he could come out at the end of two years with training and a volume of information which he might at once utilize in the affairs of daily life. A progressive program was also presented for the student who would pass on into the senior area of the college, the purpose being to give the student wider development than usual by throwing upon him a very much larger degree of responsibility for the selection of his courses and for the manner of prosecuting them.

The whole program was intended to be a very stimulating one, and in its operation the latent capacities of the student would be called forth and a sense of responsibility and independence cultivated to a maximum degree. The procedure suggested was of the kind which is rapidly coming into favor in the larger universities where the matter of organization and student progress becomes of major consideration, and the proposed plan met favor not only in the College of Arts but with the University Faculty and the Administrative Council. It later came to the attention of the Board of Trustees, but the Board expressed an interest in a Junior Division of the entire University and accordingly did not give approval at that time to the Arts College program. The matter rests at that point, no progress having been made in the further study of the University to determine whether a general Junior Division would have the support of the University Faculty. The Faculty of the College of Arts has been focusing its thought in the matter of student progress and college procedures on the weaknesses which have long been apparent, and the solution proposed is in line with progressive thinking of Arts College faculties, not only in the private universities but more and more coming to the front in the state universities. The question whether there should be a Junior Division either underlying the entire University or in colleges which prefer that form of organization, is insistent, and is worthy of serious, continuous attention.

#### TEACHERS' RETIREMENT SYSTEM

In a growing number of privately supported institutions of higher learning, and in some state universities, plans have been proposed and made effective for a retirement system of university teachers and in some cases other employees. The state of Ohio ten years ago made effective a State Teachers' Retirement System, membership in which at its inception was made optional on the part of University professors, but all professors entering this institution since that time have been required to enter the system. This calls for a payment by the teacher of 4 per cent annually on a basis of a salary of \$2,000 and a corresponding contribution on the part of the University obtained from State appropriation. In its operation the system works out with varying results depending quite largely upon the amount of teaching done by the professor in question in the state of Ohio prior to the enactment of the Retirement System; of course, as time passes the amount of teaching done since that time will become a large factor, but at the end of the ten years of the system it is not a very considerable element in the total obtainable if the professor should retire. In rare cases the amount to be paid by the State, if the professor should now retire, is a little over \$1,000; and upon retirement



the University has felt constrained to supplement this amount and in several cases in very recent years has fixed the payment by the University at \$2,000, in other cases less. The total payment obtainable under the present system prevailing in the State and the practice which has grown somewhat in the University is at the present time about \$3,000 as a maximum.

For a number of years this system has been felt inadequate for men and women receiving the grade of salaries payable in the State University, and for two years a University committee carried on a very serious and comprehensive study of the whole matter of a University Retirement System. The report proposed retirement at about sixty-eight years of age, a minimum period of service in this institution and a retirement allowance, which, of course, would be supplemented by the retirement provisions of the State system. Amendment of the State system to make it more conformable to ideals of University salaries has not seemed possible, nor is the University in position to withdraw from the State system if it should desire to do so. If the University Retirement System were adopted, the funds therefor would come only from State appropriation and up to the present time the Legislature has not been requested for such appropriation. What the attitude of the Legislature might be, therefore, is unknown. The system proposed by the committee and approved by the University Faculty and the Administrative Council, was one to which the professor would not contribute, but the entire payments would be assumed by the State.

The committee report presented, with minor impression, also a plan for group insurance to be financed partly by the University and partly by the professor. Protection of this nature has been growing in popularity and has been accorded by many universities and colleges of this country, in some cases the university paying the entire expense, in others the expense being shared.

The Board of Trustees gave prolonged attention to this report but referred it back to the committee with a request for more information about cases where the institution and the professor both make a contribution to the fund which is drawn upon in case of retirement; they also expressed the view that the Board should take no final action approving a retirement system until funds appropriated by the Legislature would become available for the expenses entailed by the system. The matter now rests at that point. The whole question of appropriate retirement provision for university professors is one which has been coming rapidly into the foreground and has been receiving widespread discussion. In industry the practice of making retirement provisions for old employees who have given long service to the business has been growing in recent years, and the obligation of an educational institution for similar provision is being very generally advocated, and in some quarters assumed. It is clear that the State University depends for such funds upon the State Legislature and it is not known that any state legislature has so far made appropriations for this specific purpose. After the Legislature a decade ago made some provision for the State Teachers' Retirement System, it rested; and the question of the willingness of the Legislature to make further provision now for its higher institutions of learning by setting up especially supported retirement systems therein has not been put to the test. A retirement system which calls for contribution through the years on the part of the professor would probably meet a more ready reception at the hands of the

Legislature when it might be requested to make an appropriation for supplemental purposes, than would a request to the State that it finance the entire system. No doubt every professor would be entirely willing to make some contribution which he might draw upon in his old age, and no doubt also if the matter were completely and appropriately presented to the State Legislature it might be willing to share in the financing of the venture. Social legislation generally has come only after a prolonged period of "education" in legislative halls.

#### THE LAMME MEDAL

The Lamme Medal for meritorious accomplishment in engineering or the technical arts was awarded for the first time at the June Commencement, 1931. Benjamin Garver Lamme, who left the fund from which the medal was awarded, was a graduate of this University in 1888, and for many years was the chief engineer of the Westinghouse Electric and Manufacturing Company, and was always a firm believer in and promoter of engineering education; upon his death he left a will containing a bequest directing that the income therefrom should be used to pay for a gold medal, and if the fund should accumulate sufficiently two medals might be granted in one year. This was the case in the last school year, and upon the unanimous recommendation of the Faculty of the College of Engineering, approved by the Board of Trustees, one medal was awarded to Charles Edward Skinner of the Class of 1890, and the other to Arno Charles Fieldner of the Class of 1906. Both of these graduates have rendered long and meritorious service, Mr. Skinner with the Westinghouse Electric and Manufacturing Company primarily. He has maintained a continuous and progressive interest in the field of engineering research, has aided in the developing of engineering standards, and in the forty years since his graduation has had a leading part in the development of large-scale electrical and mechanical engineering which has taken place in that period.

Mr. Fieldner has been connected with the Federal Bureau of Mines for many years, and for a period was in the experiment station in Pittsburgh, and is at present chief engineer of the experiment station division of the Bureau. In the World War he developed methods for testing the efficiency of gas masks and has been instrumental in adapting the gas mask to civil uses. He has had a very active part in developing standard methods of sampling and analyzing coal, has given direction to the study of ventilation of tunnels built for heavy automobile traffic, and has been associated in the development of apparatus for the detection of the presence of carbon monoxide to one-thousandth of one per cent. He is the author of many papers in his field of interest, and like Mr. Skinner is very well and very widely known in the world of science and engineering.

Mr. Lamme's bequest will be a continuously stimulating influence exerted upon our engineering and science graduates and will give the University an annual occasion for a very significant award. The University is honored by being given the responsibility for these awards, and a certain delicate flavor is thereby imparted to the University life.

#### HONORARY DEGREES

In continuing the practice of conferring honorary degrees the University was very happy this year in selecting Doctor Francis Carter Wood, a grad-



uate of 1891, and distinguished particularly for his researches in cancer and his activities in the field of pathology. At the Crocker Laboratories in New York City for many years he has made significant advances in the study of this disease and has made many contributions on that and other subjects in significant medical literature.

Mrs. Dorothy Canfield Fisher of the Class of 1899 was likewise chosen for an honorary degree. Her writings have been appearing at frequent intervals for many years in "novel" and periodical publications; she has specialized in studies of current American life, and they have been very widely read and deeply appreciated. Her many educational writings and activities are noteworthy, and her translation of Giovanni Papini's *Life of Christ* finds numerous readers.

The University had an especial opportunity to honor itself by conferring an honorary degree upon Doctor W. H. Scott, who directed its activities as President from 1883 to 1895, presided over the Department of Philosophy from 1895 to 1910, and since that time has lived in quiet and dignified retirement in the City of Columbus. He maintains an unflagging interest in education both lower and higher, is now as always completely devoted to the University, and his stimulating presence is welcomed on all University occasions. The honorary degree selections for this year, as in both preceding years, have been enthusiastically received by the entire University community and the public at large.

#### FRATERNITIES AND THE UNIVERSITY

The Office of the Dean of Men endeavors to come into contact with many individual students as well as student groups and organizations. A noteworthy step in effecting relationships with student groups was made in the appointment of Mr. Fred Milligan as Assistant Dean of Men. Mr. Milligan's chief duty for the year has been in connection with the fraternity organizations, which contain about 37 per cent of the men students of the University, and because of their well-known organization, these groups are readily reached for a great variety of university purposes. Mr. Milligan is a young graduate of the University, knows the men students well, and has a personality which makes headway with individual students or with student organizations. I am printing his own summary report about his activities with the fraternities, and it will prove to be very interesting reading.

#### Fraternities

With our policy definitely defined as regards fraternities, it has been possible during the past year to organize a constructive program which we hope will establish these organizations as a part of our educational system.

It has been our desire to develop a close relationship with the National Officers of each fraternity represented here, as well as with the local chapters. We are attempting to utilize the facilities of the National Organizations to the utmost. We cite the following examples:

1. In the Autumn Quarter the annual fraternity scholarship report is sent to each National Secretary, Chapter President, and Chapter Adviser. In the Winter Quarter a report of the credit rating of each chapter is sent to the same officers. At the close of the Spring Quarter a general résumé of the chapter's activities during the year, including membership statistics, dances, Intramural competition, honors and cooperation with our office, is sent to the aforementioned officials.

2. Personal conferences were held with thirty National Officers.

3. Forty-five different fraternity publications are received by our office for use.

4. Whenever necessary we are in immediate communication with the National Officers of any fraternity represented here. This produces unity of action, and the results are always more satisfactory than when we attempt to settle such matters without the help of these officers.

We have also attempted to organize an effective fraternity system locally. We present the following organizations as substitutes for those previously existing:

A. The Council of Fraternity Presidents; the legally authorized legislative organization.

B. The Professional Interfraternity Council; on practically the same basis as the Presidents' Council except confined in membership to the fraternities in Dentistry, Law, and Medicine.

C. The Fraternity Advisers' Council, consisting in membership of the alumnus adviser of each chapter and designed to represent and promote the alumni interests of the chapters. This organization is primarily responsible for the successful attempt at cooperative buying last spring.

D. The Interfraternity Pledge Council, representing the combined interests of the Pledge Groups on the campus.

During the past year we have had the privilege of acting as adviser to the above-mentioned groups, and consequently, as a result of their splendid cooperation, have been able to direct their programs along similar lines so that they were working harmoniously together.

As these four organizations have become more definitely settled in program and purpose there has developed the need of a Secretary of Fraternity Affairs, whose primary purpose is that of carrying into effect the desires of these groups. Consequently, there has recently been established such a position, competitive among students, with an office located in the Ohio Union. This officer serves as Secretary-Treasurer of the four Interfraternity Organizations. He will help direct the program, and, most important of all, will follow through.

We are enthusiastic concerning the future of such an organization. We feel the interests of 37 per cent of the male student body will be beneficially affected by such a set-up. The power for good present within the seventy-four chapter houses must be developed and made a distinct part of our educational system. The major responsibility for this rests with the University. The cooperation generally during the past year has been good. There is no limit to the possibilities within so many of these groups.

The major achievements of the Interfraternity Organizations may be listed as follows:

a. Participation of twenty-four fraternities in the cooperative buying of coal at a total saving of over \$600.

b. Adoption of use of guest cards as a method of eliminating the uninvited from attending fraternity dances.

c. Establishment of a Pledge Registration Bureau as a means of eliminating disputes relative to pledging.

d. Inviting nationally prominent fraternity leaders to address the fraternity men.

e. Fraternity Scholarship Night and the awarding of trophies.

f. The placing of responsible married graduate students in charge of eight fraternity houses during the summer term.

g. The promotion of a better Interfraternity spirit and the realization that much can be accomplished through these organizations.

The busy sessions which Mr. Milligan describes above do not displace the activities of the Office of the Dean of Men with other student groups and with individual students. Dean Joseph A. Park expresses his function to be "so far as possible to act in an advisory rather than a supervisory capacity." Acting under this guide he finds many students coming into his office for counsel and



to "talk things over" in the friendly intimate manner which he has always encouraged. In this way also loyalties and sentiment are built up which may figure largely in the subsequent life of the student and may also inure to the good of the University.

Another significant movement relating the Office of the Dean of Men and the fraternities is that of the appointment of an Auditor in this office to look after the accounts of fraternity groups whose credit may have fallen into some disrepute. Unfortunately this rather frequently happens, since the organization which operates inside of the fraternity is changed from year to year, and the degree of ability fluctuates considerably in dealing with financial questions. This Auditor will give assistance to fraternities in this situation and will help them get their accounts squared away and put them on their financial feet and restore their credit so far as a well-organized system of bookkeeping and budgeting can do so. A number of fraternities have voluntarily sought the assistance of the Auditor of Student Accounts previously, and the help of the Dean's office in this manner is heartily welcomed and deeply appreciated on the part of the student groups. This is merely another of the many ways in which the University can come constructively, sympathetically, and profitably into the lives and activities of the student groups.

The commendatory statements made above about the Office of the Dean of Men apply in all their scope to the Office of the Dean of Women. Her office has for years come intimately into the lives of the sorority groups, and statements about her activities in this field have appeared from time to time in the Annual Reports. However, since the movements above described in the Office of the Dean of Men are new, it seems to be very fitting to present them in the Annual Report on this occasion.

#### JUNIOR DEANS

The Junior Dean of the College of Arts and Sciences took office during the year and has not hitherto appeared in the pages of the Annual Report. Other Junior Deans have been given extended attention in previous annual reports, especially last year through the printing of their entire report for the year, and a description of their activities and purposes has been read with the greatest interest. J. Huntley Dupre is the new Junior Dean of the College of Arts and Sciences, and the report of his activities and studies through his first year will be found in another portion of this Annual Report. The activities in the junior area are of great significance, and it is thought wise to introduce these Junior Deans in their annual statement to the reading public, so that this activity may be understood in the language of the men who are moving it forward. Attention is solicited to Dean Dupre's report as a supplemental illustration of the numerous forms of contact and activities which such officials take up, giving a sketch of the influence which he is in position to exercise.

#### STUDENT ATTENDANCE

The University still continues to grow in its student attendance, last year there having been almost sixteen thousand students on the grounds distributed through the four quarters. The directions in which this attendance is moving in recent years are very significant. The freshman and sophomore groups, which may be spoken of as the junior area, have for several years

been practically stationary with somewhere between fifty-five hundred and six thousand students. There has been a great growth, however, in the senior area, so called, including the junior and senior years. The juniors and seniors combined total 4,731 and the Graduate School has grown to an enrollment of 2,969. There is a rapid increase in the number of students who come to the Ohio State University from other colleges and universities with advanced standing in the undergraduate years or as graduate students, and a great service is thereby being rendered to the young people of Ohio who can carry on a part of their college work near home and complete it at the University where all sorts of facilities and opportunities are presented on a much wider scale.

It should not be concluded that the University is becoming a graduate school, because the great body of sophomores and freshmen will probably continue to be present in the University. There are several reasons for this; one is that all the colleges and universities of Ohio are filled practically to capacity on their present basis of support, and these students coming here as freshmen and sophomores have nowhere else to go where they can be accommodated or get the opportunities they find here. Further, even if there were other places, they seem to desire to come, and the University has no proper means of excluding them even if it should be a desirable thing to do. Admission to this University is fixed by statute, and thousands of young people take advantage of that fact each year in entering here. There is no need to settle the question whether the University should be a graduate school. The logic of events is bringing to it, more and more, students who are in the upper areas, but with no material diminution of the number who came into the junior area. It is gratifying, however, that there is a continuous growth in the number of students who seek the enlarged facilities presented by this institution in its libraries, its laboratories, its large number of members of the teaching staff whose reputation attracts students, and its opportunities for the stimulus which comes from association with great numbers of enthusiastic students drawn from practically every state in the Union and from many other parts of the world. About 12 per cent of our attendance now is non-resident in the State, and this gives an air of cosmopolitanism which is stimulating.

The figures given above with reference to the upper-class and graduate students demonstrate the need for continuously adding to the teaching staff men and women of the highest attainable qualifications and experience, whatever expenses may be thereby entailed. Finding such teachers and bringing them to the University is a major administrative duty which will continue to grow heavier. Considerable progress has been made in this matter in the various colleges of the University.

#### SPECIAL EDUCATION

During the year the Bureau of Special Education was staffed and organized. Doctor Charles S. Berry, formerly of the University of Michigan and also in charge of special education work in the City of Detroit, is the Director of the Bureau here and he has done considerable work in conjunction with the office of the Director of Education of Ohio. This connection has enabled him to make a wide acquaintance in the State among school people and others interested in special education, and he also arranged to present such courses in the Summer Quarter of 1931. He has made preparation for very vigorous



prosecution of the work both in the University and out over the State, but because of the limited appropriation he will not be able to make the headway he hoped for during the biennium.

The Bureau of Special Education will deal with the handicapped, the backward, and the defective child in the public schools; the procedure will be to find such children by means of a demonstration clinic or service of other kinds, to call them to the attention of the school authorities in the locality, and it is expected that the latter will arrange for the special teaching and other attention which such children will need. The Bureau will function in giving counsel and advice about teaching or dealing with these children and will on occasion give demonstrations. There are many such children in the elementary schools in Ohio, but the means for locating and segregating them and teaching them in accordance with their abilities and aptitudes has not been adequate. The Bureau is expected to function at this point and lead in a program of reform in the training of these backward boys and girls. A great field of opportunity is here spread before the University if the staff and the financial support therefor in the Bureau can be made adequate. It is not a program which can be quickly brought to entire fruition, but it will have to be developed over a period of time; the Bureau is ready to furnish the program, to blaze the way, and to give continuous counsel and help in the work of fitting these children to become self-sustaining members of society. Under the present régime many of them are hopelessly out of the educational race after a few years in the elementary school, and as a rule they have become dependent, anti-social, or even criminal.

Before being located at the Ohio State University the Bureau was for eight years at Miami University, and a certain constructive program was carried on from that institution. The hope is here to enlarge the program, to provide a more adequate staff, and eventually to furnish to the handicapped children of the State the advantages they need to make all possible development.

#### THE Y'S

The Young Men's Christian Association and the Young Women's Christian Association function with excellent effect in the lives of the students of the University. The foundation of their activities is religion, which they promote in a variety of ways. The religious stimulus, however, is felt not alone in purely religious exercises but in a considerable variety of social activities which these associations promote and direct. Large councils are formed, especially in the freshman and sophomore classes, and these groups are held together for practically two years and come to know each other well and to share the spirit of the association and to participate in its program. In these councils the young people go forward in their religious activities, in their social experiences, reach a devotion to the highest ideals of the University, and obtain correct impressions of their place in it as students and as factors in a program which prepares in a large way for civic appreciation and responsibility.

For many years the University has contributed to the support of these associations; this is entirely justified by the contribution which they in turn may be expected to make to the religious, social, and moral life of the University and the communities in which they take up their lives as citizens.

## MAGNITUDE OF UNIVERSITY

Through the years the University has grown to be an institution of great magnitude. A study of the Financial Report of the Business Manager made year by year shows how this growth has come about. Beginning with small things we find that for the year ending June 30, 1931, the total valuation put upon the land and buildings was \$16,187,723.84, and the valuation placed upon the equipment of various departments was \$5,112,702.71. This brings the total value of the educational plant including land, buildings, and equipment to \$21,300,526.55. There are about twelve hundred acres of land, sixty or more buildings, and about seventy departments of activity. A study of the balance sheet setting forth a comparative statement of assets and liabilities for the year ending June 30, 1931, shows the total figures with which the University is dealing amount to \$24,335,703.33.

On the personnel side we find in the University a teaching staff, which includes all full-time and part-time teachers and all those in any wise associated in the matter of teaching, numbering twelve hundred thirty-three, in addition to whom there are sixty-six administrative officers. The clerical staff numbers about one hundred forty stenographers and one hundred forty-nine clerks and other persons, while the division known as the physical plant includes about one hundred thirty-five craftsmen and three hundred twenty-seven laborers and others. The total of all these items is two thousand and fifty persons, required to keep the educational plant in active operation, in good repair, and maintenance, and keep going at the highest quality possible the entire educational process which deals now with about sixteen thousand students annually.

## UNIVERSITY DEPENDS UPON LEGISLATURE

The State is the foundation upon which the University rests, and at every biennial session of the Legislature one of the large State activities pressing for financial consideration is the University. Biennial appropriations show a slight increase from time to time, and the University has thereby kept continuously on the up grade until in the Legislative session of 1929 the appropriation made by the Legislature for the biennium amounted to \$9,879,206. This is the high-water mark of Legislative appropriations, and during the last biennium the University made marked progress in various directions on account of this appreciation on the part of the State. However, the legislative session just closed, making appropriations for the biennium 1931-32, found the State facing a deep financial depression and was able to come through with a total appropriation of only \$7,938,026, which has since been reduced by executive order to the extent of 7 per cent. The University has been required to trim its teaching activities, to reduce its clerical force, to release people working in the physical plant, and will have to make large reductions in all of the fields of maintenance and operation. It is hoped that the next Legislature can realize anew the magnitude of the institution which it has built in the last half century and which is devoting every dollar of receipts from all sources to the maintenance and development of an educational institution whose product is noteworthy. Those directly concerned in the administration of the University, speaking with conservative enthusiasm, and attempting to see the expanding place of the institution in the life of the Commonwealth, are convinced that to accomplish the reasonable purposes and results which may be expected from the institution, a biennial support from the State of at least



ten and one half millions of dollars is required. For the current biennium the University cannot even mark time, but it must certainly retrograde both with reference to its educational activities with students and also in a material way. The very clear prospects are that during this biennium the University will reach a crisis for want of maintenance funds. With the return of reasonable prosperity throughout the State the needs of the institution, in order that it may render the best service to the people of Ohio, will inevitably be conservatively presented for Legislative consideration at about that sum.

#### PERSONNEL WORK

Personnel work with students has always been done in this University, but it has not kept pace with the great increase in the student body. This has been recognized as a serious situation and a number of agencies in existence have done the best they could in this field. It has recently, however, been recognized that the personnel agencies on the ground must be coordinated and that new ones should be instituted and that some central office should be maintained as a kind of clearing house for them. With that in view a large committee has been busy during the past year on the study of personnel problems, with a number of subsidiary committees; these have now reported to the central committee and that committee has formulated a general report on this subject. The growing importance of personnel work can best be shown by a quotation from this report.

In 1895 the Ohio State University enrolled 695 students. Today it enrolls annually almost fifteen thousand. This increase of more than twenty-one hundred per cent in the student body has brought important changes in administration. At the turn of the century a small handful of people comprised the administrative staff. Today almost a hundred officers, exclusive of the clerical organizations under their direction, devote the major part if not all of their time to administration. An administrative development of this sort has been an inevitable concomitant of growth in student enrollment. The instructional staff cannot function adequately and effectively unless supported by administrative officers assuming the numerous extra-curricular responsibilities of management. Funds must be raised, financial records must be kept, buildings must be built and maintained, course offerings must be administered, and the problems of student life must have continuous attention.

Before the colleges grew to their present proportions, many of these functions now universally recognized as administrative were undertaken by the teaching personnel together with their teaching. With small student bodies the distinctive separation of instruction and administration had little utility. Committees of faculty members could, without serious strain, do much of the work of management in addition to instruction. As the administrative burden has grown heavier, however, faculty committees have been relieved of much of their non-instructional work, and special officers have been appointed to give all their time to one or another area of management. This gradual allocation of administrative work to special officers has been especially pronounced in that division of university management that has come throughout the country to be called student personnel administration. Several illustrations will serve to make this clear:

1. When the University had but a few hundred students under its aegis, the problems of social and extra-curricular life were parceled out to various members of the faculty for their supervision. As numbers grew, the work multiplied so rapidly that the office of Dean of Women came into existence in 1912 and that of Student Counselor of Men in 1927. The latter officer's title became Dean of Men in 1929.

2. Until 1920 a faculty committee determined upon a student's qualifications for admission to the University, but these responsibilities became so



heavy that the Board of Trustees at that time authorized the appointment of a new administrative officer with the title of University Examiner.

3. Ten years ago all medical services for students were under the direction of the Department of Physical Education, but the medical function became so important that in 1921 the Trustees set up the Student Medical Service.

4. Because the increase in the size of the University has made it difficult for students to secure the advice and assistance that they must have if they are to enjoy to the fullest the advantages made available by the University, President Rightmire in 1927 requested the faculty to study the freshman and sophomore years and to suggest a method of giving students educational and personal counsel. For over a year faculty committees canvassed the problems associated with the junior division of the University and proposed that Junior Deans be appointed in the five largest colleges to advise with students and also to give continuous attention to the improvement of junior area instruction. Freshman Week was also inaugurated at this time.

These few examples might be multiplied. They perhaps serve sufficiently, however, to illustrate the growing distinction between instruction and administration.

#### Student Personnel Administration Defined

In discussing student personnel administration, another distinction is important; that between various types of administration. The expansion of administrative functions has not been linear. Rather it has veered off in at least three directions: general administration, instructional administration, and personnel administration, each having its separate province, methods, staff, and all under the general direction of the President.

General administration includes the setting up and control of budgets, the maintenance of and development of the plant, publicity, radio broadcasting, and all other areas of administration that are neither distinctly instructional nor distinctly student personnel. The chief general administrative officers are the Business Manager and Secretary of the Board of Trustees, the Assistant to the President, the Superintendent of Buildings and Grounds, the University Architect, and the Director of Publicity. Their province is specifically that of providing and maintaining the physical set-up of the University. On the one hand they have no direct contact with instruction, and on the other they have but indirect relationships with the extra-instructional life of the students.

Instructional administration encompasses all the formal instructional and research activities of the University. The chief instructional administrative officers are the deans, the Registrar, the Librarian, the college secretaries, the department heads, and the instructional supervisors. Their province is instruction and the recording of the results of instruction. They administer the curricula of their colleges and departments, examine student accomplishments in courses, present candidates for degrees, and keep records of student achievement. They mesh with the general administrative staff in relationship to budgets and plant development and control, but their chief concern is the instruction of students. Similarly they dove-tail with the student personnel administrative staff, although their responsibility in this direction grows less as personnel administration develops.

Student personnel administration, finally, embraces all university relationships with students other than formal instruction. These relationships all have educational significance and must be recognized as an integral part of the educational program of the University. They are numerous and include:

Admitting students to the University.

Transferring students from college to college within the University.

Assisting students in finding part-time employment while in residence.

Administering the housing facilities of the University and providing housing service for off-campus residents.

Giving students educational counsel.

Administering the social and extra-curricular programs of the University



including the supervision of the Ohio Union, Pomerene Hall, the fraternities and sororities, publications, dramatics, and so forth.

Counseling with students about the choice of vocations.

Helping students to find positions in their chosen field of work upon their departure from the University.

Administering intelligence tests at the time of admission.

Counseling students in Mental Hygiene.

Providing medical attention for students.

Keeping records of students other than the formal academic records kept by the Registrar.

Administering Freshman Week.

This report is now being given particular attention with the purpose of putting into action some portions of it at an early time and others progressively at a later time. The appreciation of the administration is hereby expressed to the general committee and the various subsidiary committees that gave intelligent thought to this whole matter which is of the greatest University importance.

#### COLLEGE REPORTS

Formal reports from the colleges are not printed, as usual, this year. Very full reports were printed last year and in the preceding years, and reports will again be presented next year. It is thought that biennial reports of a complete nature will answer the purpose sufficiently and will also relieve the colleges of considerable work in their preparation. Close touch is kept between the President's Office and the college offices throughout the year, and it can be stated that all of the colleges have been making forward strides during the past year and their work has been carried forward enthusiastically. There have been no particular variations from the work as carried on in the past few years, during which period, in addition to the regular educational work with students in the departments, considerable attention has been given to a variety of research projects. These have held the greatest interest for the teaching staff in the various departments and have been a source of very great stimulus to the staff. These research projects where possible have had the financial encouragement of the Graduate School which has allocated a small fund appropriated to it for that purpose.

#### PATENTABLE DISCOVERIES IN ENGINEERING

##### EXPERIMENT STATION RESEARCH

The Engineering Experiment Station has cooperated with industry and with individuals in furthering a variety of research projects, many of which are financed by these industries or other outside interests. For over a year the question has been agitated who, if inventions or patentable discoveries were made in the research project, would be entitled to any patent which might be issued thereon. The question became acute over a year ago and was referred to the Attorney General of Ohio for opinion. Six months ago the Attorney General rendered an opinion which left patentable rights in the University generally speaking, but under certain circumstances these might be transferred to the cooperator, who had requested the research and who usually would have financed it in large part. Upon learning that in the opinion of the Attorney General the University would be entitled to rights in inventions made, the Attorney general was asked to render an opinion upon the question of the

authority of the University to deal with patents thus obtained by it, if not properly assignable to the cooperator. The answer was that the University, being an agency of the State and, therefore, carrying on activities based upon the public and supported by public money, could do nothing except dedicate such patent rights to the public.

The University thereupon went before the Legislature with a bill to amend the statutes creating the Engineering Experiment Station, to give to the University the right to sell such patents or to license their use, but after considerable discussion the bill did not pass.

The only way, under the opinion of the Attorney General, by which an industrial cooperator can acquire patent rights arising from research projects carried on in the Engineering Experiment Station, is to enter into contract with the University either when the research project is undertaken, or afterwards for a valuable consideration, such contract transferring to the cooperator the rights in any patents which may materialize. Otherwise the entire right remains in the University and it can do nothing with it exclusively for its own benefit, but must dedicate it to the public.

Situations have not frequently arisen in the operation of the Engineering Experiment Station where patentable discoveries have been made, but when they do it is believed to be good public policy to give the University not only the right to obtain the patent and to dedicate it to the public, but to use it practically and profitably either by selling it outright or by granting licenses to make, use, and sell the article or the process in question. The University should make another effort to obtain legislative sanction for dealing with patentable discoveries for its financial benefit.

A survey of the University growth and accomplishment and motivating spirit since the World War shows that its development has been one continuing upward rush; that it has reached the plane where its organization, its processes, and its social and industrial contributions mark it as of genuine University status; and that with earnest cooperation throughout and a harmony induced by the vision of a great University in a great State, its Faculty may expect here to make a notable application of higher learning to the material needs and the cultural advance of a grateful Commonwealth.

*George W. Prichard*  
President



## ANNUAL REPORT OF THE JUNIOR DEAN OF THE COLLEGE OF ARTS AND SCIENCES

The President, evidently, in establishing the differences between the senior and junior divisions of work in the five largest Colleges in the University, and in appointing five Junior Deans, had as a central idea the desire to make more personal and friendly the relations which the University has with its students. Undoubtedly he also expected that, with a special emphasis on the work in the first two years, instruction would be studied and suggestions made for improvement, that experimentation in educational procedures would be made that would improve the qualitative content of the work required of students, that greater efforts would be made to find the capacities and develop the proficiencies of students, that the attempt would be made to better relate students to their proper career choices, that the superior students would be caught and stimulated to real scholarly work as soon as possible, and that the poorer students would be sympathetically directed, and helped to develop to the limit of their possibilities, and, if these were not enough, they would be dropped as gracefully and as helpfully as possible.

The present Junior Dean assumed office on September 1, 1930, with no especial experience in this particular aspect of university work and with no preconceptions concerning it. He succeeded Mr. J. C. Troutman, who had laid splendid foundations in his incumbency of two years, and who had succeeded in having the college office become known among the younger students as a decidedly friendly and helpful place. Relinquishing the functions of Junior Dean on his own request, Mr. Troutman remained on as Counselor for Sophomore Students. This relieved the Junior Dean of responsibility in that important area. Mr. Troutman, who has been most helpful to the present Junior Dean, conscientiously avoided imposing upon him, in the beginning, any of the conclusions in principle which he had developed out of his own experience.

Mrs. Eva Smith Demos, who had worked for a year with Mr. Troutman, continued, until May 1, as the Assistant to the Junior Dean, and fulfilled the functions of her office in a most faithful, sympathetic and helpful way. Mrs. Helen Mougey Jordan, of the class of '16, succeeded her to August 1, temporarily filling this important position in a most commendable way, bringing her own rich experiences to her aid in counseling with students. On August 1 we are privileged to add Mrs. Naomi Baker Fernelius to our staff, to assist the Junior Dean. Mrs. Fernelius' experience as a student Y.W.C.A. Secretary and as a teacher eminently fit her for the finest of counseling work.

Since the essential feature of the work of the Junior Dean is in the friendly counseling of students, it might be well to first record the work done this year in this particular field of activity. Totally, we were dealing with 808 freshmen in our College during this academic year, 1930-31. The Junior Dean had 1635 personal interviews during the year. Before she left on May 1, Mrs. Demos had had 1023. The total freshman interviews thus were 2658. For the Junior Dean they were distributed over the Quarters as follows:

Autumn	Winter	Spring
815	435	385

In the division of labor between Mr. Troutman and the Junior Dean, the former was to counsel with students in their third quarter concerning their academic programs for the fourth quarter, so that Mr. Troutman interviewed many third-quarter freshmen in the Spring Quarter.

From records drawn from notations made on the personnel cards of students (which does not include all interviews, since many routine matters were not recorded), it is shown that of the 808 freshmen, 668 were interviewed at least once, no attempt being made in this College to make any interviews required. Only 130 freshmen had no interviews at all. Of these 668, 157 came in in response to calls, and 511 came in entirely upon their own initiative. The report by interviews, and not by students, is as follows:

ACTIVE			
	Male	Female	Total Interviews
Students' own initiative.....	1021	366	1387
Students called in .....	113	41	154
Total .....	1134	407	1541
No interviews .....	80	32	112

  

INACTIVE			
	Male	Female	Total Interviews
Students' own initiative.....	320	147	467
Students called in.....	1	2	3
Total .....	321	149	470
No interviews .....	13	5	18

The discrepancy between the totals given here for interviews and the numbers already reported as made by Mrs. Demos and the Junior Dean is explained by the absence of notations for some interviews. The Junior Dean kept an accurate tabulation of each interview conducted by himself. In this tabulation he distributed the interviews according to kinds, or categories, of problems for which the students sought advice. Sometimes a student came in for more than one purpose. If so the interview was so marked. Thus in the Autumn Quarter there were 942 types of interviews for the 815 freshmen interviewed by the Junior Dean; in the Winter Quarter, 503 for 435 students; and in the Spring Quarter, 453 for 385 students.

The major categories into which these interviews of the Junior Dean, only, fell, quarter by quarter, are as follows:

	Autumn	Winter	Spring	Totals
Schedule planning.....	208	183	50	441
Schedule adjustment.....	98	...	...	98
Scholastic difficulties .....	91	38	70	199
Course changes .....	69	71	90	230
Probation .....	28	22	4	54
Reinstatement .....	22	15	19	56
Specials .....	6	3	3	12
Withdrawals .....	19	11	5	35
Transfers .....	26	11	9	46
Superior achievement.....	105	22	69	196
Emotional problems .....	3	3	2	8
Health problems.....	25	11	23	59
Absences .....	9	9	17	35
Work .....	6	13	7	26
Financial difficulties .....	1	5	4	10
Activities .....	5	2	...	7



Friendly contacts .....	107	63	53	223
Vocational .....	71	21	12	104
Parents (Not recorded until in the Spring Quarter) .....			10	10

These statistics, among other things, reveal the great amount of time used in helping students plan their schedules. No doubt this is of real benefit, may prevent some disaster to the student, and reduce the waste to the university machine. The relatively large number of changes made in schedules early in each quarter may indicate either the uncertainty of the student or the desire of the College to accommodate the reasonable requests of students as they gain knowledge of objectives by their own experiences. Some of these changes are allowed to poor students, in order that they may carry a lighter load, as they try to adjust themselves to the relatively stiff standards of college. Therefore, a part of this number represents scholastic difficulties. Of course, the probation students all represent scholastic difficulties. This is also true of reinstatements.

It is interesting to note that the numbers registered under scholastic difficulties as such, and for superior achievement, are virtually the same. It should be remarked that the interviews marked "superior achievement" were only with those students with a 3.00 point ratio (on academic work only) and that these never, in any one quarter, totaled over 12 per cent of the freshman class. After the Autumn Quarter only students with 3.33 or above fall into this category. It is evident, then, that the college office has attempted to devote an appreciable amount of its time to its promising students.

Health problems and their relation to successful academic work crop up continuously, and the students are sent to the proper student health authorities for guidance and relief in these matters.

Under the heading of "friendly contacts" come the friendly chats about a wide variety of subjects. These are prized by the Junior Dean and oftentimes seem to be enjoyed by the students. In any case these are always solicited by the students. No doubt in some of them stimulation of some sort may be transferred from the officer to the student.

Vocational counseling is of particular importance in this College. The figures will indicate this and, although there is a marked decline in the number after the Autumn Quarter, there are still students eager for counsel in this regard. Some will have this problem even more acutely in their subsequent years in the University.

Statistics for the College can well precede the further treatment of some of the other activities of the college office with freshmen.

We have divided the freshmen in this study into two groups, viz., the active and inactive groups. The actives are those who have been in school this year including the Spring Quarter and all new students who have entered during the Spring Quarter. The inactives are those who for various reasons such as transfers, illness, finances, or dismissals have become inactive in the Arts College. We have made a study of 653 students who are active and 157 students who are inactive. We might add that we counted as freshmen those with 45 hours or less when the study was made. This makes a total of 810 freshmen.

In the Autumn Quarter we had a total of 796 schedules approved as follows:

Straight Arts.....	318	Arts-Engineering .....	14	Pre-medical .....	102
Arts-Education .....	9	Arts-Commerce .....	5	Pre-law .....	47
Arts-Medicine .....	112	Arts-Agriculture .....	1	Pre-dental .....	73
Arts-Law .....	48	Arts-Dentistry .....	4	Unclassified .....	63

During the year we had 58 active students transfer into Arts and 19 active students transfer out of Arts. Of the inactive students we had 5 transfer into Arts and 32 out of Arts, leaving a total of 808.

#### HIGH-SCHOOL RATINGS OF FRESHMEN

	ACTIVE					
	Male		Female		Total	
	No.	Per cent	No.	Per cent	Students	Per cent
Good .....	165	37	86	53	251	41
Average .....	191	43	62	38	253	42
Poor .....	91	20	14	9	105	17
Totals .....	447		162		609	

*Remarks.*—In the active list we have 609 high-school ratings. Of these 447 are of male students and 162 are of female students. We are interested in the fact that 20 per cent of our men come to us with a poor high-school record, while only 9 per cent of our women are in that class. On the other hand, 53 per cent of our women come to us with a good high-school record, while only 37 per cent of our men have that rating.

	INACTIVE					
	Male		Female		Total	
	No.	Per cent	No.	Per cent	Students	Per cent
Good .....	18	20	16	35	34	24
Average .....	42	47	21	46	63	46
Poor .....	30	33	9	19	39	30
Totals .....	90		46		136	

*Remarks.*—In the inactive list we have 136 high-school ratings. Of these, 90 are of male students and 46 are of female students.

We note that we have 33 per cent of our inactive men entering with a poor record and 19 per cent of our women entering with a poor high-school record, while we still have about the same ratio existing between our men and women with good high-school ratings. However, in both actives and inactives we find the largest number of our students with average high-school ratings.

#### INTELLIGENCE PERCENTILES OF FRESHMEN

	ACTIVE					
	Male		Female		Total	
	No.	Per cent	No.	Per cent	Students	Per cent
96-100 .....	42	9	18	10	60	9
76-95 .....	96	21	51	28	147	23
26-75 .....	236	51	86	47	322	50
6-25 .....	72	16	25	13	97	15
1-5 .....	16	3	4	2	20	3
Totals .....	462		184		646	

*Remarks.*—We have data on the intelligence percentiles of 646 active freshmen. Of these 462 are men and 184 women. Thus we see that the freshmen with good high-school ratings fall largely into classes 1 and 2 in intelligence rating, while those with poor high-school records fall largely into classes 4 and 5 in intelligence rating.



## INACTIVE

	Male		Female		Total	
	No.	Per cent	No.	Per cent	Students	Per cent
96-100 .....	4	4	2	4	6	4
76-95 .....	22	22	6	13	28	19
26-75 .....	39	39	24	50	63	42
6-25 .....	25	25	13	27	38	26
1-5 .....	10	10	3	6	13	9
Totals .....	100		48		148	

*Remarks.*—We have data on the intelligence percentiles of 148 inactive Freshmen. Of these 100 are men and 48 women.

While 18 per cent of the active students fall within classes 4 and 5, 35 per cent of the inactive students fall within this group.

## READING TEST OF FRESHMEN

## ACTIVE

	Male		Female		Total	
	No.	Per cent	No.	Per cent	Students	Per cent
96-100 .....	33	8	16	9	49	8
76-95 .....	93	21	44	25	137	22
26-75 .....	219	50	81	45½	310	50
6-25 .....	79	18	33	18½	112	18
1-5 .....	15	3	4	2	9	1
Totals .....	439		178		617	

*Remarks.*—We have data on the reading tests of 617 active freshmen, of whom 439 are male and 178 female. The reading tests run almost parallel to the intelligence percentiles. There seems to be very little difference in the ability of the men and women.

## INACTIVE

	Male		Female		Total	
	No.	Per cent	No.	Per cent	Students	Per cent
96-100 .....	4	4	1	2	5	3
76-95 .....	10	10	11	23	21	14
26-75 .....	45	46	15	32	60	41
6-25 .....	33	34	18	38	51	35
1-5 .....	6	6	2	4	8	6
Totals .....	98		47		145	

## SCHOLARSHIP RECORD OF FRESHMEN

## ACTIVE

Point Ratio	Male		Female		Total	
	No.	Per cent	No.	Per cent	Students	Per cent
0-1.0 .....	17	4	8	4	25	4
1.1-1.5 .....	63	14	21	12	84	13
1.6-2.0 .....	85	19	30	17	115	18
2.1-2.5 .....	132	29	62	35	194	31
2.6-3.0 .....	59	13	27	15	86	14
3.1-3.5 .....	63	14	22	12	85	14
Above 3.5 .....	32	7	8	4	40	6
Totals .....	451		178		629	
	17*		7*		24*	
Totals .....	468		185		653	

\* Number of new students in Spring Quarter with no scholarship record.

*Remarks.*—We have the scholarship record of 629 active freshmen. Of these 451 are men and 178 are women. It is interesting to note that while 53 per cent of the women enter with a good high-school record and only 37 per cent of the men come from that class, in scholarship we find 34 per cent of the men above 2.6 and 31 per cent of the girls above 2.6. In the active group there are only 4 per cent in the lowest scholarship group.

		MALE		FEMALE		TOTAL	
Point	Ratio	No.	Per cent	No.	Per cent	Students	Per cent
0-1.0	.....	39	44	18	43	57	44
1.1-1.5	.....	13	15	3	7	16	12
1.6-2.0	.....	13	15	10	24	23	18
2.1-2.5	.....	12	13	5	12	17	13
2.6-3.0	.....	5	6	2	5	7	5
3.1-3.5	.....	6	7	4	9	10	8
Above 3.5	.....	..	..	..	..	..	..
Totals	.....	88		42		130	

*Remarks.*—In the inactive group we have records of 130 students, 88 men and 42 women. Here we find 44 per cent of the students in the lowest scholarship group, while there are none above 3.5 points and only 13 per cent above 2.6. Again we find very little difference between the men and women.

#### WHY INACTIVE

	MALE		FEMALE		TOTAL	
	No.	Per cent	No.	Per cent	Students	Per cent
Transferred	22	26	10	28	32	27
Finances	11	13	1	3	12	10
Health	9	11	9	25	18	15
Out under rules	38	46	15	41	53	44½
Homesick	..	..	1	3	1	1
Discouraged by grades	3	4	..	..	3	2½
Totals	83		36		119	

*Remarks.*—We were able to make a study of why 119 freshmen, 83 men and 36 women, became inactive. We find 44 per cent go out under rules with not a great deal of difference between the men and the women. But we find over three times as many men as women dropping out because of financial reasons and over twice as many women as men dropping out for health reasons, while about an equal number of men and women transfer.

#### TRANSFERS OF FRESHMEN

	MALE		FEMALE		TOTAL STUDENTS	
	Into Arts	Out of Arts	Into Arts	Out of Arts	Into Arts	Out of Arts
Another Institution	14	1	6	..	20	1
Commerce	5	6	4	..	9	6
Engineering	13	2	..	..	13	2
Education	2	5	11	3	13	8
Agriculture	1	1	1	1	2	2
Arts-Education	..	..	1	..	1	..
Totals	35	15	23	4	58	19
Per Cent	7	3	12	2	9	3



*Remarks.*—Nine per cent of our active freshmen come from other colleges, while 3 per cent transfer out and will be added to the inactive list.

We find our greatest number coming from other institutions, and from the Colleges of Engineering, Education, and Commerce.

## TRANSFERS OF FRESHMEN

	INACTIVE					
	Male		Female		Total Students	
	Into Arts	Out of Arts	Into Arts	Out of Arts	Into Arts	Out of Arts
Applied Optics .....	1	3	..	..	1	3
Another Institution .....	1	1	..	..	1	1
Commerce .....	1	10	..	2	1	12
Engineering .....	1	3	..	..	1	3
Education .....	..	1	1	7	1	8
Agriculture .....	..	2	..	2	..	4
Arts-Education .....	..	1	..	..	..	1
	—	—	—	—	—	—
Totals .....	4	21	1	11	5	32
Per cent .....	3	17	2	24	3	20

*Remarks.*—The greatest number of women transfer into Education and the greatest number of men transfer into Commerce, while the greatest number of students transferred to Commerce.

Evidently, we do not receive many poor students from other colleges. Twenty per cent of our inactive freshmen transfer out of Arts, while 3 per cent transfer from other colleges to Arts.

## FRESHMAN DISMISSALS

	Autumn, 1930	Winter, 1931	Spring, 1931
Men .....	31 (19) *	15 (3)	20
Women .....	6 (4)	8	8
Total .....	37 (23)	23	28

\* Figures in parenthesis indicate the number of those dismissed who were first-quarter freshmen.

## NUMBER OF FRESHMEN PLACED ON PROBATION

	Autumn, 1930	Winter, 1931	Spring, 1931
Men .....	53	26	41
Women .....	19	7	8
Total .....	72	33	49

## FRESHMAN WITHDRAWALS

	Autumn, 1930	Winter, 1931	Spring, 1931
Men .....	20	19	3
Women .....	10	6	2
Total .....	30	25	5

## A STUDY OF STUDENT ACHIEVEMENT

A comparative study made of the achievements of freshmen in 1930-31, and in 1925-26 (the numbers of freshmen being 808 and 896, for the respective years) as measured by their point ratios, shows the following results:

Point Ratio	Per cent	Per cent
	1930-31	1925-26
0-1.0.....	10.8	16
1.0-1.5.....	13.1	18
1.5-2.0.....	18.1	23
2.0-3.0.....	39.9	32
3.0-4.0.....	17.7	11

Using the 2.0 ratio as a medium of student grades, you will see that under the 1925-26 study there were 57 per cent of the freshmen who were below that standing. Under the 1930-31 study there are only 42.4 per cent who are below this ratio, a difference of 13.6 per cent. Likewise, above the 2.0 ratio the percentages for 1925-26 were 43 and for 1930-31 were 57.6.

These figures seem to indicate that the President's program of specialized treatment of freshmen is bearing fruit, not only through the medium of the offices of the Junior Deans, but also because of the multiplied efforts of many departments of instruction to follow this lead in making the teaching of freshmen more effective, without any lowering in the qualitative standards set up, or achievement measurements used.

### *Superior Students*

The Junior Dean, with the supervisors of introductory courses in the College, worked out early in the year, and followed afterward a consistent program of discovering, encouraging, and stimulating the superior freshmen in the College. Chronologically, this program developed as follows:

On October 2 the Junior Dean, on a long chance, wrote encouraging letters to ninety-six freshmen recommended by Freshman Week Faculty advisers as intellectually promising. On January 6, he reported to these advisers the Autumn Quarter achievements of these students, as follows:

"A" average .....	4
"A — " average.....	6
"B" to "A".....	48
"C" average.....	32
"D" average .....	3
"Incomplete" .....	1
"Missing" .....	2

We cannot measure that imponderable—stimulation—but perhaps the letter did some good.

After the mid-quarter grades were recorded in the autumn and we had interviewed the students who were doing poorly and who came in on their own volition, we began calling in the 134 students then reported with a "B" average or better. One hundred and five of these came in within the last five weeks of the quarter for an unhurried interview. The Junior Dean personally interviewed all these students. He tried to present to them the claims of sound scholarship and independent thinking. He also gave them a list of critical books for extra-curricular reading. At the end of the quarter it was found that 50 of these 134 students had maintained their standing, 48 had improved theirs, 30 had declined somewhat, and grades for 6 were missing. At the end of the Autumn Quarter, a list of freshmen with a 3.33 academic average, or better, was made up. There were 90 on this list. This was 11½ per cent of the class. Fifteen of these had a straight "A" average. This list was sent to all instructors of "400" courses for whatever purposes of stimulation and special work that they saw fit to devise.



To the parents of each of these student an individually typed and signed letter of congratulations was sent. Eleven of these parents replied to that letter in a most appreciative way. We also sent the names of these students to the principals of their high schools. Of the sixty-three high schools represented in this list, five acknowledged the letter. The Junior Dean received clippings from some newspapers expressing local pride in these superior students. This honor list of freshmen was kept posted in University Hall and in Derby Hall.

At the end of the Winter Quarter a similar roll of freshmen with 3.33 or better was made, posted as before, and copies sent to all instructors. Seventy-five freshmen were on this list. Eight of these had a straight "A" average. Of the 90 on the roll at the end of the Autumn Quarter, 29 maintained their status and 19 advanced in status. Of the 32 who digressed in status, only 5 fell below 3.00. Twenty-four graduated into the 3.33, or above, group, in the Winter Quarter.

With the achievements of two quarters' work in, a Scholarship Dinner was given in Pomerene Hall, on April 8, 1931, for all students still maintaining an academic point ratio of 3.33 or better. These students were all personally and orally invited to attend this affair by the Junior Dean. The officers of the College and their wives, and the supervisors and their wives were also invited. Ninety-one persons attended. Dean Walter J. Shepard acted as toastmaster and Professor A. E. Avey gave the address of the evening. Two of the students present presented the musical program. At the dinner the following card was given to each student, with her or his name upon it:

THE COLLEGE OF ARTS AND SCIENCES  
THE OHIO STATE UNIVERSITY  
COLUMBUS, OHIO

To \_\_\_\_\_, who as a member  
of the freshman class has achieved excellence in scholarship.

The College warmly congratulates you on your present achievement,  
and trusts you will continue to merit recognition in your search for truth.

\_\_\_\_\_  
Dean

\_\_\_\_\_  
Junior Dean

This dinner was considered a success by all attending it. The younger guests felt that they had been somewhat taken into a fellowship of learning with their elders. The older guests felt quite inspired by the intelligent, alert countenances of these segregated superior students.

On April 25, the Junior Dean wrote each of these superior students his swan song, turning them over to Mr. Troutman, and expressing his hopes for and confidence in them. He also included in the letter a second book list, for suggested summer reading.

At the end of the Spring Quarter sixty-three freshmen were on the list of those with a cumulative 3.33 or better. Seven of these were new on the list. Two on the roll had a straight "A" average for the three quarters.

The College intends following the academic careers throughout of these superior freshmen. It put the point ratio for this honor roll high enough to be relatively sure of measuring real excellence.

Freshman men initiated into Phi Eta Sigma from this College numbered, in the first two quarters:

	1930-31	1929-30
Autumn Quarter.....	35	24
Winter Quarter.....	9	6

The corresponding figures for the pledges to Scholaris are:

	1930-31	1929-30
Autumn Quarter.....	9	19
Winter Quarter.....	4	10

Eighteen students in the College were in the special course in Chemistry. Others were in the special course in German.

Several of our superior students petitioned the College to take additional hours. The Petitions Committee granted this in every case, and the Junior Dean supported each of these petitions.

Our opinion is that instructors of freshmen and departmental and College officers must devise ample means to provide curricular work adequate to meet the capacities of the superior students. It seems to us that it is critical, in the first year, to "catch" as many of the promising students as possible for a critical, intellectual life. Later it may be too late.

One of the most promising freshmen, in talking to the Junior Dean shortly after the middle of the Autumn Quarter, admitted that already he was serving his apprenticeship in three major extra-curricular activities. He was doing well in his academic work but just didn't have enough to do to occupy his time.

### *The Poorer Students*

On October 1, 1930, we sent interview calls to thirty-four first-quarter freshmen who had percentiles below twelve, and were in the lower third of their high-school class. We earnestly told these students what to expect in College, and suggested ways and means of success. We offered them the opportunity of electing Psychology 000, either with or without a reduced schedule. Twenty-two elected it and seemed delighted to have something concrete to help them.

The point-hour ratios of these students at the end of the Autumn Quarter were as follows:

Students	Point-hour Ratio	Students	Point-hour Ratio
3.....	0.00	3.....	1.66
1.....	0.33	3.....	2.00
1.....	0.66	2.....	2.33
3.....	1.00	2.....	2.50
3.....	1.33	1.....	3.00

The average point-hour ratio was 1.44.

The medium point hour ratio was 1.49.

After the mid-quarter grades were released to students a great many of those who had low grades came in for counsel. Invariably we insisted that they consult, at once, with their instructors concerning the mastery of the subject matter of the respective courses.

At the end of the Autumn Quarter we called in the sixty-eight freshmen who went on probation, as well as forty-three others with low grades, some being saved from probation only by their grades in Physical Education and Military Science. Of the 11 called in, 64 responded, and of these 36 arranged to take Psychology 000 for the Winter Quarter.



At the end of the Winter Quarter twenty-eight freshmen went on probation, and ten of these elected Psychology 000 for the Spring Quarter.

It has been the policy of this office to thoroughly present a student's danger to him, suggest remedies for poor work, seriously suggest Psychology 000, and then let the student decide what course he would pursue.

The University Committee on evaluation of Psychology 000 has, no doubt, made its report. In our College some of the students electing it were helped, probably as much by the very fact that there was a concrete agency to help them specifically as for any other reason. But perhaps remedial work can be best done in each department and with relation to the specific subject matter in which the student is having trouble. All departments in our College consider themselves as doing remedial work for freshmen as a natural function of their teaching. Few of them are consciously and consistently pursuing a regular program in this regard. Mathematics, English, and Romance Languages seem to be doing the most in this respect.

The medical diagnoses, carried as a part of the report of Psychology 000 to the Junior Dean, have been of most value. In following up their recommendations we believe that we have materially aided the students. The other reports upon these students have added very little to what we had already accumulated as information concerning each student and had added to the notations upon their cumulative personnel records.

The sixty-eighth Autumn Quarter probation students were distributed as to intelligence percentiles, as follows:

Class I .....	0
Class II .....	4 ( 5.8 per cent)
Class III .....	30 (44.1 per cent)
Class IV .....	25 (36.7 per cent)
Class V .....	6 ( 8.8 per cent)
Missing .....	3
<hr/>	
Total .....	68

The twenty-nine dismissed freshmen were distributed as follows:

Class I .....	0
Class II .....	2 ( 6.8 per cent)
Class III .....	11 (37.9 per cent)
Class IV .....	10 (34.4 per cent)
Class V .....	3 (10.3 per cent)
Missing .....	3
<hr/>	
Total .....	29

In contrast, the percentiles of the ninety students with a 3.33 academic point ratio for the Autumn Quarter, were as follows:

Class I .....	35 (38.8 per cent)
Class II .....	29 (32.2 per cent)
Class III .....	21 (23.3 per cent)
Class IV .....	1
Class V .....	0
Missing .....	4
<hr/>	
Total .....	90

None of the freshman students dismissed for academic failures were readmitted immediately by the Petitions Committee of the College. Several applied. The policy is to suggest an interval of two quarters out of school before readmission is granted, and then usually on the condition of passing a two-book examination.

The Junior Dean and his assistant have tried to be as sympathetic, as kindly, and as helpful as possible to the poorer students. Where it has appeared that there is not enough native capacity for university work we have considered it the best kindness to be honest, but not brutal, with the student, and suggest the possibility of his achieving happiness and success better through some other medium than through a college preparation. We have tried to suggest alternative plans to these students. We have spoken and written in the same vein to some parents of freshmen. The latter are loath to accept this point of view. Its acceptance, however, before it is too late, would save tragedy in the University, failures outside, and would appreciably help the University in its attempt to educate adequately those fitted to receive university training. As Dean Shepard has said, if we could only get students and parents to see that we can get an objective and friendly slant on the student that he, himself, cannot get, and that, therefore, our counsel ought to be of real worth to him in his adjustments to life, our program would be more fruitful.

### *Vocational Counseling*

Freshman students are acutely interested in their life work. Many of our interviews have that as the central subject. In a great many others we touch upon it. Many students consider our College as a finding and proving ground. We believe a liberal education is a valid end in itself. Also we believe that a liberal education, with the proper majors, prepares effectively for a variety of life tasks. Naturally, some liberal-arts work is now prerequisite to professional work in law, medicine, and dentistry.

In addition to personal interviews, a series of letters were sent in the Autumn Quarter to all freshmen in the College suggesting certain pertinent queries concerning their vocational leanings. The final one invited them to a Career Guidance Meeting, which was held on October 30, in the Chapel, and was presided over by the President. The professional careers of Law, Dentistry, Medicine, Teaching, Research, and General Business, were presented by Professor C. D. Laylin, Deans H. M. Semans, J. H. J. Upham, and Walter J. Shepard. Ninety-six freshmen attended. The talks given by these men are being printed for distribution to freshmen interested, in subsequent years.

To our women students were distributed, throughout the year, a pamphlet entitled *Women in Business*, by Doris E. Fleischman, and given to us in quantities, by the *Ladies Home Journal*. We also recommended to these students a series of articles appearing in the *Ladies Home Journal* for 1930.

One of our most effective services to students can be in the field of vocational guidance. As we study the individual cases we can suggest avenues of preparation for each. Many of the men whom the Junior Dean interviewed belong rather in some good post-high-school trade school than in the University. Many of them know this, but their parents obdurately insist that they attend the University. Some students were in actual emotional and mental misery because of this conflict within the home.



*Interview Sections*

There are no formal, required, reporting interview sections in the College of Arts and Sciences. With reason, however, Professor Monroe insists that all sections in introductory Spanish and French are interview sections. It is generally recognized that the friendly relation existing between students and instructors in that department is unexcelled in the University. Professor Monroe did have twenty-one sections in these courses marked out in the Autumn Quarter as special informal interview sections. These sections enrolled 505 students of whom 288 were Arts College students, 270 being Arts College freshmen. In the Winter Quarter he had twenty-one such sections.

The Geology Department had four interview sections in the Autumn Quarter enrolling 145 students, of whom 73 were Arts College students, and 81 were freshmen.

In English 401 every section was fundamentally an interview section this year. Classes met four times weekly and for the time allotted to the fifth meeting, and during office hours of the instructors, interviews were held with each student.

Our office supplied personal data to the interview sections in Geology. In Romance Languages the instructors collected their own. In English Mr. Newdick, from the 401 sections, supplied our office with invaluable data upon the "D" and "E" students.

In the Chemistry Department every effort is made to encourage interviews with students. That department reports that for the one typical week of February 9-14, 1931, 290 freshmen came into the Chemistry Office for un-hurried interviews.

All these efforts are conducted by the departments concerned, with the enthusiastic encouragement of the Junior Dean. The latter had nothing to do with their initiation.

In this College the tendency is away from the formalized, stereotyped, required interview, with its quantity of paper work and reports.

*Friendly Contacts*

Some interviews are just friendly chats with students. In the autumn, particularly, lonely persons come in just to talk. This is especially true on Saturday mornings. Some of these students are socially unadjusted, many are timid, some are poor, some have little social background and need friends. Many of these we have called to the attention of the Y.M.C.A. in the hope that some of its members might naturally involve these students in a wholesome social and activity life. One earnest, but starving, Catholic boy was reported by us to the local Catholic priest. Another critical case, after long and careful treatment by us, turned out to be an acute pathological case. Faculty advisers in Freshman Week recommended that the Junior Dean follow up eighteen students who needed some kind of friendly help. This was done.

The Junior Dean and his assistant have made themselves available, without formality, to all who would see them.

*Supervisors*

In order to have an unofficial advisory council to reflect and interpret the policies and philosophy of this College, and to work out jointly with the Junior Dean a program of activities for freshmen, the Junior Dean called the supervisors of introductory courses together on October 31, 1930.

This body of men gladly consented to serve in a deliberative capacity. It has had four meetings during the year in the Junior Dean's office, and many of the activities herein reported have originated, in principle, in that group. Each of the supervisors has enthusiastically collaborated with the Junior Dean throughout the year, and he has attempted to reciprocate. Subjects of general interest are discussed in the meetings and this forum of exchanged opinion has, no doubt, spread valuable experiments from department to department.

### *Committee Work*

The Junior Dean has sat as an ex officio member on the following Committees of the College: Executive, Curriculum, Petitions. His experience there has convinced him of the unity existing within the College, of the fine esprit de corps there evidenced, and of the wise, forward-looking and statesmanlike leadership of Dean Shepard.

The Junior Dean has been the Chairman of Committee No. 12 of the Temporary Personnel Council.

### *Junior Council*

The Junior Dean has been the junior member of the Junior Council and has attempted there to sincerely and honestly represent the point of view, program, and philosophy of his College. He has attempted to collaborate with those activities and projects of the Council which seemed in accord with the objectives and methods of the College of Arts and Sciences. He has learned a great deal from the association with his colleagues on the Council, and each of the Junior Deans has been most patient and helpful with him.

### *Teaching*

It was understood that the Junior Dean would teach a section of History 401 or 402 each quarter in the years subsequent to his initial year in the College office. However, the interregnum between the departure of Professor Larsen and the arrival of Professor MacDonald in the History Department prompted Professor Wittke to ask the Junior Dean to teach Greek and Roman History (History 655 and 656) in the Winter and Spring Quarters. The latter gladly consented and enjoyed the teaching very much. He believes some teaching to be essential to the kind of personnel and administrative work that devolves upon the Junior Dean.

It was also the privilege of the Junior Dean to collaborate along with others, with Professor Snow, in the plans for the honors course to be given in the Winter Quarter of 1931 on "Greek Civilization." He is a member of the directing committee for that course.

### *Acknowledgments*

The Junior Dean wants to acknowledge the careful induction and splendid cooperation which the members of the College staff have given to him this year. The leadership of the Dean has been an inspiration to all his associates.

Mr. Hamilton, Mr. Troutman, and Miss Abernethy have been ever helpful, and the program of the College has been the program of each, and vice versa.

The Junior Dean would have been lost without the fine support of his assistants, Mrs. Demos, and, later, Mrs. Jordan. The office staff has been entirely loyal and highly efficient.



*Conclusion*

When the Junior Dean was a student in this College years ago he never took the opportunity to counsel with an officer of the College. The occasions for such relations were not as plentiful then as they are under the present régime. The Junior Dean survived the rigors of academic life. No doubt he would have succeeded better as a student and have been happier had he had closer contacts with the officers of the College.

It may be that today we are surrounding our students with too many opportunities for them to lean and depend upon us. We do believe that these maturing students should be progressively put upon their own. Only thus will they be enabled to hold their own in the workaday world. But we are of the opinion that we can well afford some kind of a friendly, counseling set-up for directing our younger students, if it will ease the period of adjustment and orientation, without destroying their independence and initiative, and if it will the sooner bring to the fore those persons whom we can expect to go far and to really justify the ultimate reasons for which a College of Arts and Sciences exists in a university.

We have constantly tried to impress students with the fact that their academic work is a serious affair. When severity has been necessary we have used it in a kindly manner. We believe that students should fulfill their academic obligations in a satisfactory manner. We hope we have been able to help inculcate in them the habit of assuming their responsibilities so that they will be prevented from coming to grief when they later engage in the activities of a competitive world. We feel that, however sympathetic we are, we have a decided obligation in this regard.

We do feel that we also have an obligation to the state and to our total democracy in seeing that our state university does not waste the resources of the people in trying to train all who come for those tasks of leadership for which some are not adequately endowed by nature. Beyond a reasonable period and a conscientious effort on the part of the students and ourselves, there seems to be no obligation to those students who cannot fulfill the minimum requirements of a self-respecting university. In the process we have a real responsibility of helping these students find themselves and their most effective rôle in the world. Even for them, thus, the University will mean a great deal, and it, in turn, will have fulfilled its social obligation to them.

HUNTLEY DUPRE.

	FRESHMAN			SOPHOMORE			JUNIOR		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
Agriculture .....									
Autumn	242	97	339	132	94	226	73	78	151
Winter	210	82	292	148	74	222	84	98	182
Spring	156	75	231	111	67	178	83	86	169
Year	249	94	343	148	91	239	93	105	198
App. Optics .....									
Autumn	8	.....	8	9	1	10	13	1	14
Winter	10	.....	10	12	1	13	13	1	14
Spring	11	.....	11	13	1	14	14	1	15
Year	10	.....	10	15	1	16	11	1	12
Arts .....									
Autumn	642	232	874	404	142	546	266	103	369
Winter	505	179	684	382	131	513	304	109	413
Spring	432	158	590	358	130	488	291	108	399
Year	585	211	796	425	163	588	335	127	462
Arts-Education .....									
Autumn	1	8	9	1	6	7	2	16	18
Winter	1	7	8	1	4	5	.....	15	15
Spring	1	7	8	.....	3	3	2	12	14
Year	1	7	8	.....	4	4	3	13	16
Commerce .....									
Autumn	620	146	766	456	115	571	270	81	351
Winter	476	120	596	457	102	559	313	95	408
Spring	403	102	505	392	94	486	322	86	408
Year	571	141	712	536	127	663	370	103	473
Education .....									
Autumn	170	368	538	142	275	417	111	257	368
Winter	134	284	418	129	258	387	133	276	409
Spring	114	261	375	106	259	365	120	246	366
Year	190	423	613	172	422	594	191	489	680
Engineering .....									
Autumn	529	3	532	544	3	547	352	1	353
Winter	485	4	489	535	3	538	327	1	328
Spring	441	2	443	508	3	511	296	.....	296
Year	611	4	615	709	2	711	366	1	367
Pharmacy .....									
Autumn	30	6	36	30	4	34	35	2	37
Winter	35	6	41	32	4	36	27	1	28
Spring	31	7	38	31	4	35	27	4	31
Year	40	8	48	39	4	43	35	2	37
Veterinary Medicine .....									
Autumn	47	.....	47	23	.....	23	38	.....	38
Winter	48	.....	48	23	.....	23	42	.....	42
Spring	46	.....	46	30	.....	30	36	.....	36
Year	53	.....	53	29	.....	29	33	.....	33

## PROFESSIONAL

Dentistry .....									
Autumn	43	.....	43	44	.....	44	48	1	49
Winter	43	.....	43	45	.....	45	47	1	48
Spring	41	.....	41	44	.....	44	48	1	49
Year	45	.....	45	45	.....	45	48	1	49
Law .....									
Autumn	123	7	130	90	1	91	64	3	67
Winter	114	6	120	85	1	86	66	3	69
Spring	110	6	116	80	1	81	64	3	67
Year	124	6	130	90	1	91	67	3	70
Medicine .....									
Autumn	97	4	101	85	3	88	77	.....	77
Winter	87	4	91	84	4	88	78	.....	78
Spring	84	3	87	89	2	91	76	.....	76
Year	97	4	101	89	3	92	82	.....	82
Nursing .....									
Autumn	.....	40	40	.....	39	39	.....	19	19
Winter	.....	34	34	.....	41	41	.....	18	18
Spring	.....	45	45	.....	36	36	.....	17	17
Year	.....	48	48	.....	41	41	.....	21	21
TOTAL .....									
Autumn	2,552	911	3,463	1,965	683	2,648	1,349	561	1,910
Winter	2,148	726	2,874	1,933	623	2,556	1,434	618	2,052
Spring	1,870	666	2,536	1,762	600	2,362	1,379	564	1,943
Year	2,576	946	3,522	2,297	859	3,156	1,634	866	2,500
Graduate School .....									
Autumn	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winter	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spring	.....	.....	.....	.....	.....	.....	.....	.....	.....
Year	.....	.....	.....	.....	.....	.....	.....	.....	.....
GRAND TOTAL .....									
Autumn	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winter	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spring	.....	.....	.....	.....	.....	.....	.....	.....	.....
Year	.....	.....	.....	.....	.....	.....	.....	.....	.....

\* Not including Transfers.

\*\* Not including Double Registration (Arts-Medicine, Arts-Law, etc.)



SENIOR			SPECIAL			IRREGULAR			TOTAL		
Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
78	74	152	7	2	9	1	4	5	533	349	882*
89	72	161	8	2	10	3	5	8	542	333	875
83	90	173	5	.....	5	7	1	8	445	319	764
108	105	213	16	4	20	13	28	41	627	427	1,054*
6	.....	6	.....	.....	.....	.....	.....	.....	36	2	38
6	.....	6	.....	.....	.....	.....	.....	.....	41	2	43
5	.....	5	.....	.....	.....	.....	.....	.....	43	2	45
6	.....	6	.....	.....	.....	1	.....	1	43	2	45*
219	94	313	9	10	19	12	11	23	1,552	592	2,144
257	108	365	7	9	16	12	8	20	1,467	544	2,011
268	114	382	5	6	11	7	6	13	1,361	522	1,883
319	165	484	15	13	28	57	66	123	1,736	745	2,481*
4	19	23	.....	.....	.....	.....	.....	.....	8	49	57
6	21	27	.....	.....	.....	.....	.....	.....	8	47	55
6	24	30	.....	.....	.....	.....	.....	.....	9	46	55
9	27	36	.....	.....	.....	1	1	2	14	52	66*
232	52	284	12	2	14	3	2	5	1,593	398	1,991
258	66	324	11	2	13	3	4	7	1,518	389	1,907
272	69	341	13	.....	13	4	2	6	1,406	353	1,759
336	82	418	21	8	29	12	6	18	1,846	467	2,313*
67	237	304	4	35	39	14	79	93	508	1,251	1,759
81	255	336	7	20	27	19	58	77	503	1,151	1,654
105	310	415	7	22	29	17	53	70	469	1,151	1,620
148	387	535	35	120	155	98	257	355	834	2,098	2,932*
284	.....	284	10	.....	10	.....	.....	.....	1,719	7	1,726
253	1	254	9	.....	9	.....	.....	.....	1,609	9	1,618
242	.....	242	7	.....	7	1	.....	1	1,495	5	1,500
299	1	300	11	.....	11	5	.....	5	2,001	8	2,009*
39	5	44	1	.....	1	.....	.....	.....	135	17	152
35	6	41	.....	.....	.....	.....	.....	.....	129	17	146
35	5	40	.....	.....	.....	.....	.....	.....	124	20	144
48	6	54	1	.....	1	.....	.....	.....	163	20	183*
31	.....	31	.....	.....	.....	1	.....	1	145	.....	145
32	.....	32	1	.....	1	.....	.....	.....	146	.....	146
35	.....	35	.....	.....	.....	.....	.....	.....	147	.....	147
30	.....	30	2	.....	2	11	.....	11	158	.....	158*

## COLLEGES

71	.....	71	.....	.....	.....	.....	.....	.....	206	1	207
70	.....	70	.....	.....	.....	.....	.....	.....	205	1	206
69	.....	69	.....	.....	.....	.....	.....	.....	202	1	203
70	.....	70	.....	.....	.....	.....	.....	.....	208	1	209*
.....	.....	.....	.....	.....	.....	.....	.....	.....	277	11	288
.....	.....	.....	.....	.....	.....	.....	.....	.....	265	10	275
.....	.....	.....	.....	.....	.....	.....	.....	.....	254	10	264
.....	.....	.....	.....	.....	.....	.....	.....	.....	281	10	291*
72	5	77	.....	.....	.....	.....	.....	.....	331	12	343
75	4	79	.....	.....	.....	.....	.....	.....	324	12	336
74	3	77	.....	.....	.....	.....	.....	.....	323	8	331
82	3	85	.....	.....	.....	.....	.....	.....	350	10	360*
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	98	98
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	93	93
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	98	98
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	110	110*
1,103	486	1,589	43	49	92	31	96	127	7,043	2,787	9,830
1,162	533	1,695	43	33	76	37	75	112	6,757	2,608	9,365
1,194	615	1,809	37	28	65	36	62	98	6,278	2,535	8,813
1,455	776	2,231	101	145	246	198	358	556	8,261	3,950	12,211*
.....	.....	.....	.....	.....	.....	.....	.....	.....	810	301	1,111
.....	.....	.....	.....	.....	.....	.....	.....	.....	842	264	1,106
.....	.....	.....	.....	.....	.....	.....	.....	.....	846	286	1,132
.....	.....	.....	.....	.....	.....	.....	.....	.....	2,027	942	2,969*
.....	.....	.....	.....	.....	.....	.....	.....	.....	7,767	3,085	10,852**
.....	.....	.....	.....	.....	.....	.....	.....	.....	7,519	2,869	10,388**
.....	.....	.....	.....	.....	.....	.....	.....	.....	7,054	2,818	9,872**
.....	.....	.....	.....	.....	.....	.....	.....	.....	10,288	4,891	15,179*





# YEAR SUMMARY 1930-1931 ENROLLMENT BY STATES AND COUNTRIES

	Acad. Year	Summer Quarter	Fiscal Year		Acad. Year	Summer Quarter	Fiscal Year
Alabama	8	4	12	South Carolina	5	6	11
Arizona	..	..	..	South Dakota	4	2	5
Arkansas	7	2	9	Tennessee	5	..	5
California	13	10	19	Texas	11	9	19
Colorado	5	3	7	Utah	5	2	5
Connecticut	28	3	29	Vermont	2	..	2
Delaware	1	..	1	Virginia	19	10	27
District of Columbia	9	5	12	Washington	6	3	8
Florida	7	13	17	West Virginia	97	69	142
Georgia	3	5	7	Wisconsin	9	9	17
Idaho	1	..	1	Wyoming	3	1	4
Illinois	46	25	64				
Indiana	113	32	136	Total	12,332	4,441	15,032
Iowa	16	9	24				
Kansas	7	12	12	Porto Rico	8	5	8
Kentucky	25	22	45	China	35	29	41
Louisiana	7	5	11	Philippine Islands	4	1	4
Maine	3	1	4	Bermuda	1	..	1
Maryland	3	3	6	France	2	3	3
Massachusetts	49	4	50	England	1	..	1
Michigan	48	11	56	Haiti	2	..	2
Minnesota	10	3	11	Norway	1	..	1
Mississippi	7	1	8	Africa	1	..	1
Missouri	13	14	24	Czechoslovakia	2	1	3
Montana	3	1	4	Canada	6	3	7
Nebraska	1	1	2	South America	4	1	4
Nevada	2	..	2	Hawaii	4	..	4
New Hampshire	3	..	3	India	1	1	1
New Jersey	116	10	116	Japan	4	1	5
New Mexico	..	1	1	Spain	1	..	1
New York	214	21	229	Canal Zone	1	..	1
North Carolina	11	7	15	Austria	1	..	1
North Dakota	5	2	7	Russia	2	..	2
Ohio	11,163	4,038	13,579	Lithuania	1	..	1
Oklahoma	3	6	8	Malay Peninsula	1	..	1
Oregon	0	4	4	None Given	..	1	1
Pennsylvania	212	52	248				
Rhode Island	4	..	4	Grand Total	12,415	4,487	15,126

## ENROLLMENT IN OHIO BY COUNTIES

Adams	22	16	35	Logan	54	35	77
Allen	80	36	105	Lorain	131	31	147
Ashland	52	16	61	Lucas	181	61	213
Ashtabula	101	30	115	Madison	68	32	85
Athens	38	27	59	Mahoning	224	58	261
Auglaize	68	18	77	Marion	95	42	122
Belmont	105	38	132	Medina	45	8	51
Brown	12	10	21	Meigs	33	13	40
Butler	77	24	89	Mercer	34	24	52
Carroll	19	6	24	Miami	59	32	79
Champaign	51	14	60	Monroe	32	15	43
Clark	110	26	127	Montgomery	284	100	357
Clermont	31	3	32	Morgan	55	18	63
Clinton	51	13	60	Morrow	31	13	38
Columbiana	94	27	113	Muskingum	149	64	188
Coshocton	48	17	58	Noble	21	20	32
Crawford	73	22	93	Ottawa	24	12	31
Cuyahoga	1,042	220	1,189	Paulding	21	11	24
Darke	63	31	85	Perry	55	30	71
Defiance	27	18	40	Pickaway	92	40	117
Delaware	126	82	189	Pike	14	2	15
Erie	84	14	91	Portage	64	30	86
Fairfield	116	44	146	Preble	35	18	48
Fayette	34	20	47	Putnam	30	23	49
Franklin	4,242	1,488	4,978	Richland	85	32	104
Fulton	26	14	37	Ross	79	24	100
Gallia	23	27	46	Sandusky	66	24	81
Genaga	38	8	42	Scioto	82	24	98
Greene	75	53	102	Seneca	63	28	85
Guernsey	55	24	69	Shelby	47	11	53
Hamilton	158	41	182	Stark	228	93	287
Hancock	50	33	75	Summit	173	56	208
Hardin	60	41	91	Trumbull	102	24	119
Harrison	25	14	34	Tuscarawas	92	30	112
Henry	19	11	28	Union	58	24	76
Highland	39	18	54	Van Wert	44	18	58
Hocking	24	10	32	Vinton	9	13	18
Holmes	14	6	16	Warren	37	6	40
Huron	43	9	48	Washington	71	29	90
Jackson	50	26	66	Wayne	90	41	119
Jefferson	101	32	122	Williams	53	20	66
Knox	80	40	103	Wood	42	40	66
Lake	43	16	54	Wyandot	34	16	47
Lawrence	34	12	43				
Licking	154	57	193	Grand Total	11,163	4,038	13,579

## RELIGIONS OF STUDENTS

	Academic Year	Sum- mer Quarter	Fiscal Year		Academic Year	Sum- mer Quarter	Fiscal Year
African Methodist .....	28	20	42	Presbyterian .....	1,702	575	2,065
Atheist .....	1	...	1	Protestant .....	170	39	200
Baptist .....	543	212	680	Protestant Episcopal ...	3	2	4
Brethren .....	42	49	83	Reformed .....	193	74	246
Catholic .....	1,060	195	1,149	Reformed Jewish .....	17	2	17
Christian .....	225	135	321	Seventh Day Adventist..	15	2	17
Christian Science .....	141	36	156	Swedenborgian .....	1	...	1
Church of Christ .....	247	92	298	Swedish Mission .....	1	...	1
Church of God .....	10	6	14	Union .....	2	4	6
Community .....	74	13	80	Unitarian .....	19	7	23
Congregational .....	416	176	531	United Brethren .....	236	120	311
Disciple .....	54	24	69	United Presbyterian ...	113	71	157
Dunkard .....	4	1	4	Universalist .....	26	7	31
Episcopal .....	459	123	534	Zionist .....	1	1	2
Evangelical .....	143	36	161	Christian Congregational	12	2	14
Evangelical Protestant..	16	3	17	Advent Christian .....	1	1	2
Friends .....	59	18	62	Federated .....	1	4	4
Greek Orthodox .....	12	...	12	Russian Orthodox .....	3	...	3
Independent Protestant..	9	1	9	New Thought .....	2	...	2
Internat'l Bible Students	62	2	64	Spiritualist .....	2	...	2
Jewish .....	1,050	76	1,076	Agnostic .....	3	...	3
Lutheran .....	729	218	843	Serbian Orthodox .....	1	...	1
Mennonite .....	34	33	60	Free Thinker .....	1	...	1
Methodist Episcopal .....	3,509	1,474	4,511	Non Sectarian .....	37	78	56
Methodist Protestant....	61	18	69	Church of the			
Southern Methodist.....	9	7	14	Second Advent .....	1	...	1
Mission .....	1	1	2	Latter Day Saints.....	...	3	1
Moravian .....	7	3	10	None Given .....	839	521	1,075
Mormon .....	2	...	2				
Nazarene .....	5	2	5	Total .....	12,415	4,487	15,126
People of Truth.....	1	...	1				

## OCCUPATIONS OF PARENTS

	Academic Year	Summer Quarter	Fiscal Year
Accountants, Auditors, etc.....	261	68	298
Advertising .....	17	2	19
Artist .....	...	1	...
Architects, Draftsmen .....	39	5	39
Army, Navy .....	31	2	32
Artisans .....	1	10	11
Attorneys, Judges, Statesmen..	190	48	221
Auctioneers .....	6	...	6
Auto Dealers .....	32	16	43
Bakers .....	33	12	44
Bankers, Finance .....	131	29	136
Barbers, Beauty Culturists .....	50	15	58
Baseball Players .....	4	...	4
Blacksmiths .....	21	8	27
Bookbinders .....	2	2	4
Brokers, Investors .....	43	12	49
Business .....	140	38	149
Business Executives .....	664	43	675
Butchers .....	57	5	61
Cantors .....	2	...	2
Carpenters .....	160	...	160
Chauffeurs .....	11	1	11
Chefs, Cooks .....	19	2	19
Chemists .....	20	7	23
Clergymen, Rabbi .....	171	108	247
Coal and Ice Dealers .....	50	18	63
Contractors .....	261	72	310
Dairymen .....	48	10	54
Decorators .....	40	21	55
Dentists .....	82	16	89
Designers, Commercial Artists ..	15	8	21
Druggists, Pharmacists .....	91	17	98
Dry Cleaners, Pressers .....	16	12	27
Editors, Newspapermen .....	31	6	32
Electricians .....	50	9	56
Engineers (Professional) .....	290	45	309
Engineers (Stationary) .....	58	19	71
Entomologists .....	2	1	2
Farmers and Ranchers .....	1,722	654	2,145
Filling Station Operators .....	13	4	16
Fishermen .....	1	...	1
Florists, Gardeners, Nurserymen	101	14	109
Foremen .....	130	72	176
Fruit Dealer .....	32	9	41
Furrier .....	11	...	11
Garage, Repairing .....	18	9	24
Gas and Fuel .....	13	7	20
Glassworkers .....	10	1	10
Golf Professionals .....	8	...	8



## OCCUPATIONS OF PARENTS (Continued)

	Academic Year	Summer Quarter	Fiscal Year
Government, State, County, City .....	379	123	451
Grain, Hay, Lumber .....	32	22	44
Grocers .....	103	23	116
Hotel and Restaurant Owners and Employes .....	63	24	80
Importers .....	3	.....	3
Inspectors .....	26	21	43
Insurance, Salesmen and Claim Examiners .....	165	47	189
Interior Decorators .....	20	.....	20
Iron and Steel Workers .....	89	46	125
Janitors, Maids .....	56	10	65
Jewelers, Watchmakers .....	36	12	46
Jobbers .....	4	.....	4
Junk Dealers, Scrap Iron .....	32	9	40
Laborers .....	117	64	139
Laundrymen .....	12	.....	12
Librarians .....	3	4	7
Liverymen, Teamsters .....	16	.....	16
Livestock Dealers .....	19	9	25
Machinists .....	126	47	155
Manufacturers .....	205	27	213
Mechanics .....	81	16	89
Merchants .....	742	251	934
Millers .....	12	6	17
Mine Operators .....	9	5	12
Missionaries .....	6	4	10
Musicians, Artists .....	17	3	18
Oil Producers .....	44	11	47
Opticians, Optometrists .....	21	14	31
Osteopaths, Chiropractors .....	7	.....	7
Pawn Brokers .....	.....	1	.....
Photographers .....	16	1	16
Physicians, Surgeons, Nurses .....	256	66	289
Piano Tuners .....	1	.....	1
Plasterers .....	12	1	13
Plumbers .....	26	14	37
Politicians .....	4	1	5
Potters .....	8	4	11
Poultrymen .....	14	4	17
Printers, Publishers .....	81	21	94
Quarrymen .....	3	2	4
Railway .....	413	87	442
Real Estate .....	229	52	256
Retired .....	410	202	527
Roofers, Tanners .....	10	.....	10
Rubbers Workers .....	4	3	7
Salesmen .....	509	137	584
School Officials .....	381	141	448
Shoe Workers, Repairers .....	23	3	25
Social Workers, House Mothers .....	18	4	15
Students .....	5	7	10
Surveyors .....	3	2	4
Tailors .....	105	14	112
Taxidermists .....	.....	1	1
Telephone, Telegraph .....	42	19	58
Toolmakers .....	12	3	14
Theatre Owners .....	11	2	12
Traffic Managers .....	11	19	30
Transfer and Storage .....	23	9	28
Undertakers .....	29	9	36
Upholsterers .....	5	2	6
Veterinarians .....	31	4	33
Violin Makers and Repairers .....	1	1	2
Watchmen, Sexton .....	12	1	13
Well Drillers .....	4	.....	4
Wholesale .....	4	7	8
Y. M. C. C., Y. W. C. A., Religious Workers .....	3	6	8
Mothers with no occupations .....	987	287	1,159
None given, or deceased .....	956	1,071	1,616
Bricklayer .....	23	4	25
Miners .....	22	2	22
Ladies Specialties .....	5	2	5
Labor Delegates .....	1	.....	1
Paper Makers .....	2	.....	2
Leather Workers .....	4	2	4
Metal Trades .....	14	3	16
Cigar Makers .....	7	.....	7
Mill Workers, Shopworkers .....	30	7	35
Marblesetters .....	1	2	3
Authors and Writers .....	1	1	2
Aviation .....	2	.....	2
Locksmith, Bicycle Repairers .....	2	.....	2
Research Work .....	1	.....	1
Total .....	12,415	4,487	15,126

# STUDENT ATTENDANCE AT THE UNIVERSITY BY YEARS BEGINNING 1890-1891

(From 1890 to 1930 the student attendance was analyzed according to a different plan, which is now discontinued, and the annual attendance as printed below will be published hereafter.)

1890-1891.....	305	1911-1912.....	3,928
1891-1892.....	465	1912-1913.....	3,969
1892-1893.....	642	1913-1914.....	4,435
1893-1894.....	686	1914-1915.....	5,332
1894-1895.....	745	1915-1916.....	5,822
1895-1896.....	969	1916-1917.....	6,188
1896-1897.....	1,009	1917-1918.....	5,150
1897-1898.....	1,150	1918-1919.....	5,725
1898-1899.....	1,178	1919-1920.....	7,817
1899-1900.....	1,268	1920-1921.....	8,313
1900-1901.....	1,481	1921-1922.....	8,850
1901-1902.....	1,547	1922-1923.....	9,495
1902-1903.....	1,757	1923-1924.....	10,488
1903-1904.....	1,933	1924-1925.....	11,535
1904-1905.....	1,958	1925-1926.....	12,085
1905-1906.....	2,157	1926-1927.....	13,023
1906-1907.....	2,277	1927-1928.....	13,925
1907-1908.....	2,473	1928-1929.....	14,403
1908-1909.....	2,794	1929-1930.....	15,142
1909-1910.....	3,275	1930-1931.....	15,693
1910-1911.....	3,439		



## APPENDIX I

### BOARD OF TRUSTEES—1930-1931

	<i>Date of Original Appointment</i>	<i>Term Expires</i>
HARRY A. CATON, Coshocton.....	May 14, 1925	May 13, 1932
MRS. ALMA W. PATERSON, Columbus.....	March 27, 1924	May 13, 1933
HERBERT S. ATKINSON, Columbus.....	March 17, 1925	May 13, 1934
EGBERT H. MACK, Sandusky.....	December 12, 1922	May 13, 1935
JOHN KAISER, Marietta.....	February 25, 1915	May 13, 1936
*JULIUS F. STONE, Columbus.....	March 17, 1925	May 13, 1937
LAWRENCE E. LAYBOURNE, Springfield.....	May 14, 1921	May 13, 1938

\* Julius F. Stone served also as a member from May 13, 1909 to March 21, 1917.

### OFFICERS OF THE BOARD

JULIUS F. STONE.....	<i>Chairman</i>
MRS. ALMA W. PATERSON.....	<i>Vice Chairman</i>
CARL E. STEEB.....	<i>Secretary</i>
CHAS. F. KETTERING.....	<i>Treasurer</i>

## APPENDIX II

### ADMINISTRATIVE OFFICERS

*For the year ending June 30, 1931*

GEORGE W. RIGHTMIRE.....	<i>President</i>
Office—Administration Building, UN-3148; Campus 312.	
Residence—Ohio State University Campus, UN-3148; Campus 274.	
WILLIAM OXLEY THOMPSON.....	<i>President Emeritus</i>
Residence—55 Woodland Avenue, FA. 9130.	
CARL E. STEEB.....	<i>Secretary of the Board of Trustees and Business Manager</i>
Office—Administration Building, UN-3148; Campus 332.	
Residence—198 West Eleventh Avenue, UN-4732.	
GEORGE W. ECKELBERRY.....	<i>Assistant to the President</i>
Office—Administration Building, UN-3148; Campus 380.	
Residence—2023 Collingswood Road, UN-8841-W.	
EDITH D. COCKINS.....	<i>Registrar, University Editor, Secretary of the University Faculty, and Alumni Recorder</i>
Office—Administration Building, UN-3148; Campus 314.	
Residence—1580 Guilford Road, UN-9635.	
BLAND L. STRADLEY.....	<i>University Examiner</i>
Office—Administration Building, UN-3148; Campus 412.	
Residence—Canal Winchester, Canal Winchester Ex. 71.	
KATHERINE A. VOGEL.....	<i>Executive Clerk</i>
Office—Administration Building, UN-3148; Campus 312.	
Residence—1040 Elmwood Avenue, UN-3653-R.	
CHARLES A. KUNTZ.....	<i>Comptroller</i>
Office—Administration Building, UN-3148; Campus 332.	
Residence—265 Tulane Road, LA-3606.	
FLORIS D. HANE.....	<i>Cashier</i>
Office—Administration Building, UN-3148; Campus 371.	
Residence—373 Thirteenth Avenue, WA-1054.	
JOSEPH A. PARK.....	<i>Dean of Men</i>
Office—Administration Building, UN-3148; Campus 283.	
Residence—1474 Doone Road, UN-1559-J.	
ESTHER ALLEN GAW.....	<i>Dean of Women</i>
Office—Pomerene Hall, UN-3148; Campus 480.	
Residence—60 Jefferson Avenue, MA-2692.	

EMMA E. PROUT.....	<i>House Superintendent, Residence Halls</i> Office—Oxley Hall, UN-3148; Campus 346. Residence—Mack Hall, UN-3148; Campus 264.
EDWARD S. DRAKE.....	<i>Manager of Ohio Union</i> Office and Residence—Ohio Union, UN-3148; Campus 273.
JAMES E. POLLARD.....	<i>Director of News Bureau</i> Office—Administration Building, UN-3148; Campus 491. Residence—1143 Grandview Avenue, UN-2811-J.
WILLIAM C. MCCracken.....	<i>Chief Engineer and Superintendent of Buildings and Grounds</i> Office—Service Building, UN-3148; Campus 428, 517. Residence—2005 Berkshire Road, UN-2492.
RAY M. ROYER.....	<i>Purchasing Agent</i> Office—Administration Building, UN-3148; Campus 374. Residence—1828 Arlington Avenue, UN-9841-J.
FRED E. JONES.....	<i>Director of Stores and Receiving Department</i> Office—Service Building, UN-3148; Campus 354. Residence—255 Oakland Park Avenue, LA-3461.
CHESTER W. McCLINTOCK.....	<i>Storekeeper</i> Office—Chemistry Building, UN-3148; Campus 228. Residence—232 Glenmont Avenue, LA-4070.
H. DWIGHT SMITH.....	<i>University Architect</i> Office—100 Brown Hall, UN-3148; Campus 361. Residence—1950 Arlington Avenue, UN-9695-J.
GEORGE H. SIEBERT.....	<i>Manager of the University Bookstore</i> Office—Derby Hall, UN-3148; Campus 511. Journalism Building, UN-3148; Campus 275. Residence—2239 Fairfax Road, UN-7894-J.

### APPENDIX III

#### CHANGES IN FACULTY

##### NEW APPOINTMENTS—1930-1931

Carlton Atherton.....	Assistant Professor.....	Fine Arts
Frederick R. Bamforth.....	Assistant Professor.....	Mathematics
Charles E. Berry.....	Professor.....	Bureau of Special Education
Thomas C. Billig.....	Assistant Professor.....	Law
J. S. Campbell.....	Associate Professor.....	Electrical Engineering
Kenneth Dameron.....	Assistant Professor.....	Business Organization
Ralph C. Davis.....	Associate Professor.....	Business Organization
Don L. Demorest.....	Assistant Professor.....	Romance Languages
Charles A. Doan.....	Professor and Director.....	Medical and Surgical Research
Walter L. Dorn.....	Professor.....	History
Huntley Dupre.....	Junior Dean.....	College of Arts and Sciences
First Lieut. Ralph P. Eaton.....	Assistant Professor.....	Military Science
Horace B. English.....	Professor.....	Psychology
Captain Harold H. Fisher.....	Assistant Professor.....	Military Science
Major Marion O. French.....	Assistant Professor.....	Military Science
John E. Hallen.....	Professor.....	Law
First Lieut. Clarence L. King.....	Assistant Professor.....	Military Science
Arthur J. Klein.....	Professor.....	School Administration
Lincoln La Paz.....	Assistant Professor.....	Mathematics
Ruth Lindquist.....	Associate Professor.....	Home Economics
A. C. Mahr.....	Professor.....	German
Arthur T. Martin.....	Assistant Professor.....	Law
Vera McCoy Masters.....	Act'g Asst. Professor.....	Bacteriology
First Lieut. John W. Middleton.....	Assistant Professor.....	Military Science
Richard C. Miller.....	Professor.....	Agricultural Engineering
First Lieut. John B. Murphy.....	Assistant Professor.....	Military Science
Peter H. Odegard.....	Professor.....	Political Science



Tibor Rado.....	Professor	Mathematics
Arthur F. Schalk.....	Professor	Veterinary Medicine
Maude M. Slawson.....	Assistant Professor	Music
Helen C. Smith.....	Assistant Professor	Home Economics
Lawrence H. Snyder.....	Associate Professor	Zoology
Harlan T. Stetson.....	Non-Resident Lecturer	Graduate School
E. D. Tetreau.....	Associate Professor	Rural Economics
John B. Titchener.....	Assistant Professor	Classical Languages
First Lt. Edward T. Williams.....	Assistant Professor	Military Science
E. G. Wiesehuegel.....	Assistant Professor	Horticulture and Forestry
Charlotte Winnemore.....	Assistant Professor	Physical Education
Bruce K. Wiseman.....	Assistant Professor	Medical and Surgical Research
Grace S. M. Zorbaugh.....	Associate Dean of Women	

## PROMOTIONS IN RANK

1930-1931

Charles L. Arnold...	Professor to Emeritus Professor	Mathematics
Samuel R. Beidler...	Instructor to Assistant Professor	Mechanical Engineering
John B. Brown.....	Assistant Professor to Associate Professor	Physiological Chemistry
Paul Bucher.....	Assistant Professor to Associate Professor	Mechanical Engineering
John L. Carruthers.....	Assistant Professor to Associate Professor	Ceramic Engineering
Harvey H. Davis.....	Assistant Professor to Associate Professor	School Administration
Perry P. Denune.....	Assistant Professor to Associate Professor	Sociology
Edwin P. Durrant...	Assistant Professor to Associate Professor	Physiology
Harold A. Edgerton...	Assistant to Assistant Professor	Psychology
Wooster P. Field.....	Assistant Professor to Associate Professor	Engineering Drawing
Howard E. Hamlin...	Instructor to Assistant Professor	Physiology
Thomas C. Holy.....	Associate Professor to Professor	Bureau Educational Research
H. Gordon Hullfish...	Assistant Professor to Associate Professor	Principles of Education
Clarence H. Kennedy...	Assistant Professor to Associate Professor	Zoology
Mabel DeBra King...	Instructor to Assistant Professor	Fine Arts
Norman D. Lattin...	Assistant Professor to Associate Professor	Law
Hermann C. Miller...	Assistant Professor to Associate Professor	Accounting
George N. Moffat.....	Instructor to Assistant Professor	Mechanical Engineering
J. M. Montz.....	Assistant Professor to Associate Professor	Civil Engineering
Ralph Paffenbarger...	Assistant Professor to Associate Professor	Engineering Drawing
Robert D. Patton.....	Instructor to Assistant Professor	Economics
Donald C. Power.....	Instructor to Assistant Professor	Business Organization
John W. Price.....	Instructor to Assistant Professor	Zoology
Harry L. Reinhart...	Instructor to Assistant Professor	Pathology
Samuel Renshaw.....	Associate Professor to Professor	Psychology
Charles P. Roberts...	Instructor to Assistant Professor	Mechanical Engineering
Alice Robinson.....	Assistant Professor to Associate Professor	Fine Arts
John M. Russ.....	Assistant Professor to Associate Professor	Engineering Drawing
G. Oscar Russell.....	Associate Professor to Professor	Phonetics
Howard F. Seely.....	Associate Professor to Professor	Principles of Education
Alva W. Smith.....	Assistant Professor to Associate Professor	Physics
Robert E. Smith.....	Assistant Professor to Associate Professor	Practical Arts and Voc. Education
Karl W. Stinson.....	Assistant Professor to Associate Professor	Mechanical Engineering
Jacob B. Taylor.....	Assistant Professor to Associate Professor and Chairman of Department	Accounting
May Thomas.....	Assistant Professor to Emeritus Assistant Professor	German
Llewellyn H. Thomas...	Assistant Professor to Associate Professor	Physics
L. H. VanBuskirk...	Instructor to Assistant Professor	Medicine
Helen Wikoff.....	Instructor to Assistant Professor	Physiological Chemistry
Earl W. Wiley.....	Associate Professor to Professor	English
T. Rees Williams.....	Instructor to Assistant Professor	Oto-Laryngology
Virgil Willitt.....	Instructor to Assistant Professor	Economics
Melville L. Wolfrom...	Instructor to Assistant Professor	Chemistry

## APPENDIX V

## THE WORK OF INSTRUCTORS—1930-1931

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
<b>ACCOUNTING</b>												
Elements of Accounting.....	401	5	1-22	401	5	220	401	5	236	401	5	119
Elements of Accounting.....	402	5	2-21	402	5	95	402	5	168	402	5	173
Outline of Accounting.....	...	...	...	405	5	32	405	5	26	...	...	...
Advanced Principles of Accounting.....	601	5	Q-24	601	5	107	601	5	83	601	5	63
Advanced Principles of Accounting.....	...	...	...	602	5	16	602	5	33	602	5	24
Cost Accounting.....	603	4	1-15	603	4	19	603	4	41	...	...	...
Cost Accounting.....	604	4	2-15	604	4	17	604	4	17	604	4	35
Problems in Cost Accounting.....	...	...	...	605	3	12	...	...	...	...	...	...
Institutional Accounting.....	...	...	...	...	...	...	...	...	...	606	2	8
Auditing.....	...	...	...	607	2	34	...	...	...	...	...	...
Auditing.....	...	...	...	...	...	...	608	2	17	608	2	11
Income Tax Accounting.....	...	...	...	611	2	15	...	...	...	611	2	47
Constructive Accounting.....	...	...	...	612	4	11	...	...	...	612	4	23
Accounting Practice.....	...	...	...	613	4	32	613	4	12	...	...	...
Accounting Practice.....	...	...	...	...	...	...	614	4	13	614	4	20
Business Statements.....	...	...	...	616	3	21	616	3	27	616	3	59
Managerial Accounting.....	...	...	...	...	...	...	617	3	16	...	...	...
Managerial Accounting.....	...	...	...	...	...	...	...	...	...	618	3	17
Retail Accounting.....	...	...	...	623	3	10	...	...	...	...	...	...
Factory Costs.....	...	...	...	...	...	...	...	...	...	624	5	64
Research in Accounting.....	...	...	...	801	...	6	...	...	...	803	...	9
*Research in Accounting.....	...	...	...	804	2	6	...	...	...	806	2	6
Graduate Seminary in Accounting.....	...	...	...	...	...	...	...	...	...	...	...	...
**Graduate Seminary in Accounting.....	...	...	...	...	...	...	802	3	4	...	...	...
*Research in Accounting.....	...	...	...	...	...	...	805	2	4	...	...	...
**Graduate Seminary in Accounting.....	...	...	...	...	...	...	...	...	...	...	...	...
<b>ADULT EDUCATION</b>												
Theory and Problems of Adult Education....	...	...	...	...	...	...	611	2	2	...	...	...
Leadership Training.....	...	...	...	...	...	...	615	3	2	...	...	...
Minor Problems.....	...	...	...	650	1+	8	650	1+	8	650	1+	5
<b>AGRICULTURAL CHEMISTRY</b>												
General Agricultural Chemistry.....	...	...	...	401	5	75	401	5	44	401	5	42
Household Chemistry.....	...	...	...	402	5	35	402	5	28	402	5	26



Household Chemistry .....	...	...	...	403	5	28	403	5	36	403	5	40
Introductory Agricultural Analysis .....	...	...	...	404	3	5	...	...	...	406	3	39
Animal Chemistry .....	...	...	...	...	...	...	...	...	...	...	...	...
General Biological Chemistry .....	...	...	...	...	...	...	601	5	64	...	...	...
Food Inspection and Analysis .....	...	...	...	...	...	...	...	...	...	602	5	8
Dairy Chemistry .....	...	...	...	604	5	12	...	...	...	...	...	...
Dairy Chemistry .....	...	...	...	...	...	...	605	5	10	...	...	...
Advanced Dairy Chemistry .....	...	...	...	...	...	...	...	...	...	606	5	9
Chemistry of Nutrition .....	...	...	...	...	...	...	...	...	...	607	5	13
Special Problems .....	...	...	...	701	3-15	1	701	3-15	9	701	3-15	1
Plant Chemistry .....	...	...	...	...	...	...	...	...	...	801	1	12
Special Problems .....	...	...	...	802	5-15	2	802	5-15	2	802	5-15	4
...	...	...	...	...	5-10	...	...	5-10	...	...	5-10	...
Research .....	...	...	...	803	15	3	803	15	5	803	15	3
Seminary .....	...	...	...	804	1	6	804	1	8	804	1	10

#### AGRICULTURAL EDUCATION

Principles Applied to Teaching of Vocational Agriculture in Secondary Schools .....	400	5	8	...	...	...	400	5	15	400	5	11
Teaching of Vocational Agriculture in Secondary Schools .....	401	5	12	401	5	17	...	...	...	401	5	10
Observation of the Teaching of Vocational Agriculture .....	...	...	...	402	5	5	402	5	9	402	5	14
Supervised Teaching of Vocational Agriculture .....	...	...	...	403	5	5	403	5	9	403	5	14
Special Methods of Teaching Vocational Agriculture in Secondary Schools .....	601	5	14	...	...	...	601	5	4	601	5	13
Methods in Teaching Cooperative Marketing in High Schools .....	607	3	13	...	...	...	...	...	...	...	...	...
...	...	3-	1-26	...	3-	...	...	3-	...	...	3-	...
Special Problems .....	801	12	2-5	801	12	4	801	12	7	801	12	7
State Administration and Supervision of Vocational Agriculture .....	804	3	(1)	...	...	...	...	...	...	...	...	...
Organization and Administration of Teacher Training for Vocational Agriculture .....	806	3	(1)	...	...	...	...	...	...	...	...	...
Organization and Methods of Conducting Part-Time and Evening Schools in Vocational Agriculture .....	808	3	(1)	...	...	...	...	...	...	...	...	...
...	...	1-	24	...	...	...	...	...	...	...	...	...
Seminary in Agricultural Education .....	810	3	(1)	...	...	...	...	...	...	...	...	...
...	...	3	2	...	...	...	...	...	...	...	...	...

#### AGRICULTURAL ENGINEERING

Field Machinery .....	...	...	...	401	5	61	401	5	46	401	5	11
Agricultural Drawing .....	...	...	...	402	3	29	402	3	48	402	3	38
Farm Motors and Tractors .....	...	...	...	...	...	...	404	5	17	404	5	6
Farm Utilities .....	...	...	...	...	...	...	405	5	4	...	...	...
Dairy Mechanics .....	...	...	...	408	3	16	...	...	...	...	...	...
Advanced Farm Power and Power Machinery .....	...	...	...	603	5	7	...	...	...	...	...	...
Farm Drainage .....	...	...	...	...	...	...	...	...	...	604	5	8
Advanced Field Machinery .....	...	...	...	...	...	...	...	...	...	605	5	6
Special Problems .....	...	...	...	701	3-15	1	...	...	...	701	3-15	2
Special Problems .....	...	...	...	...	...	...	702	3-15	2	...	...	...

THE WORK OF INSTRUCTORS—1930-1931—Continued

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ANNUAL REPORT

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
AGRICULTURAL EXTENSION												
Extension Methods .....	...	...	...	...	...	...	...	...	...	401	3	16
Extension Education .....	600	2	28	...	...	...	...	...	...	...	..	...
ANATOMY												
Comparative Anatomy .....	...	...	...	...	...	...	406	5	100	...	...	...
Comparative Anatomy .....	...	...	...	...	...	...	...	...	...	407	5	70
Visceral Anatomy .....	...	...	...	410	3	41	...	...	...	...	...	...
Elementary Human Anatomy.....	...	...	...	...	...	...	...	...	...	412	5	45
Comparative Anatomy of the Vertebrates.....	...	...	...	...	...	...	414	5	40	...	...	...
The Eye .....	...	...	...	...	...	...	...	...	...	437	4	6
Seminary .....	...	...	...	601	1	16	...	...	...	...	...	...
Seminary .....	...	...	...	...	...	...	602	1	12	...	...	...
Adv. Comparative Anatomy: Minor Problems	...	...	...	604	3-5	9	...	...	...	...	...	...
Adv. Comparative Anatomy: Minor Problems	...	...	...	...	...	...	605	3-5	1	...	...	...
Adv. Comparative Anatomy: Minor Problems	...	...	...	...	...	...	...	...	...	606	3-5	2
Comparative Neurology: Minor Problems....	...	...	...	...	...	...	608	5	1	...	...	...
Comparative Neurology: Minor Problems....	...	...	...	...	...	...	...	...	...	609	5	2
Cytology .....	...	...	...	...	...	...	611	5	28	...	...	...
Cytology .....	...	...	...	...	...	...	...	...	...	612	5	8
Comparative Anatomy of the Vertebrates....	613	5	(Q) 22	613	5	63	...	...	...	...	...	...
Comparative Anatomy of the Vertebrates....	...	...	...	...	...	...	614	5	12	...	...	...
Comparative Vertebrate Embryology.....	...	...	...	...	...	...	...	...	...	615	5	7
Comparative Vertebrate Embryology.....	616	5	(Q) 22	...	...	...	616	5	60	...	...	...
Elementary Neurology .....	...	...	...	617	5	9	...	...	...	...	...	...
Comparative Anatomy of the Vertebrates....	...	...	...	...	...	...	...	...	...	619	5	84
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Beef Cattle Production and Management.....	...	...	...	...	...	...	...	...	...	602	5	9
Swine Production and Management.....	...	...	...	...	...	...	...	...	...	603	5	25
Dairy Cattle Production and Management.....	...	...	...	...	...	...	604	5	8	...	...	...
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Mechanical Optics .....	...	...	...	...	...	...	432	2	6	...	...	...
Mechanical Optics .....	...	...	...	...	...	...	...	...	...	433	2	6
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Clinical Laboratory Practice .....	...	...	...	...	...	...	442	5	6	...	...	...
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Order Problems .....	...	...	...	422	5	21	422	5	16	422	5	16
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History of Architecture.....	...	...	...	544	3	42	...	...	...	...	...	...
History of Architecture.....	...	...	...	...	...	...	545	3	40	...	...	...
History of Architecture.....	...	...	...	...	...	...	...	...	...	546	3	37
Architectural Design.....	...	...	...	624	5	8	624	5	3	624	5	14
Architectural Design.....	...	...	...	625	5	2	625	5	7	625	5	1
Architectural Design.....	...	...	...	627	5	6	627	5	1	627	5	7
Construction.....	...	...	...	...	...	...	630	5	17	...	...	...
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Construction: Masonry.....	...	...	...	...	...	...	...	...	...	641	5	14
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Thesis.....	...	...	...	718	5	3	718	5	2	718	5	10
Advanced Architectural Design.....	...	...	...	727	8	6	727	8	9	727	8	1
Advanced Architectural Design.....	...	...	...	728	8	2	728	8	6	728	8	10
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Advanced Architectural Design.....	...	...	...	730	8	2	730	8	1	730	8	2
Construction.....	...	...	...	736	5	11	...	...	...	736	5	8
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<b>ASTRONOMY</b>												
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Elementary Astronomy.....	...	...	...	402	5	7	402	5	12	402	5	7
General Astronomy.....	...	...	...	411	5	2	...	...	...	...	...	...
Descriptive Astronomy.....	...	...	...	500	5	2	500	5	5	500	5	5
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Stellar Astronomy.....	...	...	...	...	...	...	...	...	...	609	5	4
Stellar Astronomy.....	...	...	...	610	5	1	...	...	...	...	...	...
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General Bacteriology.....	...	...	...	431	5	31	...	...	...	...	...	...
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Pathogenic Bacteriology.....	...	...	...	...	...	...	...	...	...	433	3	14
Bacteriology.....	...	...	...	...	...	...	...	...	...	450	5	46



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Pathogenic Bacteria .....	609	3	(2) 25	...	...	...	609	3	22	...	...	...
Dairy Bacteriology .....	...	...	...	...	...	...	610	3	18	...	...	...
Dairy Bacteriology .....	...	...	...	...	...	...	611	3	12	...	...	...
Water Examination, Sewage Disposal, Water Filtration .....	...	...	...	...	...	...	614	2	7	...	...	...
Water Examination, Sewage Disposal, Water Filtration .....	...	...	...	...	...	...	615	3	2	...	...	...
Immunity and Serum Therapy .....	...	...	...	617	3	63	...	...	...	617	3	33
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Pathogenic Protozoa .....	...	...	...	...	...	...	...	...	...	619	3	18
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Special Technique in Pathogenic Bacteriology .....	...	...	...	...	...	...	626	5	12	...	...	...
Special Problems in Pathogenic Bacteriology .....	...	...	...	...	...	...	...	...	...	627	5	8
Medical Bacteriology .....	...	...	...	641	5	79	...	...	...	...	...	...
Medical Bacteriology .....	...	...	...	...	...	...	642	3	79	...	...	...
Special Tech. in Vet. Pathogenic Bacteriology .....	...	...	...	643	3 or 5	33	...	...	...	...	...	...
Special Tech. in Vet. Pathogenic Bacteriology .....	...	...	...	...	...	...	644	3 or 5	29	...	...	...
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Economic Botany	...	...	...	...	...	...	620	5	3	...	...	...
Physiological Methods	...	...	...	...	...	...	...	...	...	632	3	11
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Plant Genetics	...	...	...	...	...	...	...	...	...	635	5	14
Plant Anatomy	...	...	...	...	...	...	...	...	...	640	5	9
Mycology	...	...	...	...	...	...	653	5	7	...	...	...
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Special Problems—Physiology and Ecology	703	2-5	3	703	2-5	2	703	2-5	6	703	2-5	4
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Research in Mycology and Plant Pathology	...	...	...	...	...	...	804	4-10	1	804	4-10	1
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Business Law—Partnerships and Corporations	...	...	...	627	3	38	...	...	...	...	...	...
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Ocean Transportation .....	...	...	...	745	3	11	...	...	...	...	...	...
Traffic Management—Rate Problems .....	...	...	...	...	...	...	752	3	10	...	...	...
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Res. in Corporation Organization and Finance	...	...	...	801	1-6	7	...	...	...	...	...	...
Res. in Corporation Organization and Finance	...	...	...	...	...	...	802	1-6	5	...	...	...
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Research in Marketing, including Advertising and Sales .....	...	...	...	...	...	...	...	...	...	...	...	...
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Graduate Seminary in Business Organization.	831	1-6	13	831	1-6	20	...	...	...	...	...	...
Graduate Seminary in Business Organization.	...	...	...	...	...	...	832	1-6	17	...	...	...
Graduate Seminary in Business Organization.	...	...	...	...	...	...	...	...	...	833	1-6	4
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Research in Industrial Management.	...	...	...	835	1-6	5	...	...	...	...	...	...
Research in Industrial Management.	...	...	...	...	...	...	836	1-6	9	...	...	...
Research in Industrial Management.	...	...	...	...	...	...	...	...	...	837	1-6	8
Seminary in Corporations and Real Estate.	840	1-6	11	...	...	...	840	1-6	12	840	1-6	12
Res. in Transportation and Public Utilities.	...	...	...	846	1-6	1	846	1-6	2	...	...	...
CERAMIC ENGINEERING												
Occurrence and Properties of Clays.	...	...	...	...	...	...	401	4	38	...	...	...
Winning, Preparation, and Forming.	...	...	...	...	...	...	...	...	...	405	4	39
Theory of Drying.	...	...	...	600	3	33	...	...	...	...	...	...
Driers, Kilns, and Theory of Firing.	...	...	...	...	...	...	601	5	24	...	...	...
Elements of Ceramic Plant Engineering.	...	...	...	...	...	...	603	5	27	...	...	...
Bodies, Glazes, and Colors.	...	...	...	...	...	...	...	...	...	605	4	29
Refractories and Their Uses.	...	...	...	...	...	...	...	...	...	610	5	29
Ceramic Calculations.	...	...	...	615	5	28	...	...	...	...	...	...
Physical and Chemical Measurements of Clay and Other Ceramic Materials.	...	...	...	...	...	...	620	5	23	...	...	...
Junior Inspection Trip.	...	...	...	...	...	...	...	...	...	630	0	21
Laboratory in Stoneware, Saggers and Terra Cotta.	...	...	...	701	5	17	701	5	1	...	...	...
Laboratory in Whitewares.	...	...	...	...	...	...	702	5	19	...	...	...
Laboratory in Ceramic Colors.	...	...	...	...	...	...	...	...	...	703	5	17
Laboratory in Metal Enamels.	...	...	...	...	...	...	...	...	...	704	5	6
Ceramic Designing.	...	...	...	705	5	27	...	...	...	705	5	1
Ceramic Designing.	...	...	...	...	...	...	706	5	28	...	...	...
Ceramic Designing.	...	...	...	...	...	...	...	...	...	707	5	28
Technology of Glass.	...	...	...	708	3	24	...	...	...	...	...	...
Thesis.	...	...	...	710	3	1	710	3	17	710	3	3
Thesis.	...	...	...	711	3	1	711	3	7	711	3	20
Laboratory in Refractories.	...	...	...	721	5	13	...	...	...	...	...	...
Laboratory in Heavy Clay Wares.	...	...	...	...	...	...	722	5	8	...	...	...
Senior Inspection Trip.	...	...	...	...	...	...	...	...	...	730	0	22
Research Work.	...	...	...	801	3-10	2	...	...	...	...	...	...
Research Work.	...	...	...	...	...	...	802	3-10	3	...	...	...
Research Work.	...	...	...	...	...	...	...	...	...	803	3-10	9



Testing of Clays with Reference to Their Industrial Adaptability .....	...	...	...	805	2	2	...	...	...	...	...	...
Porcelain for Electrical and Other Special Purposes .....	...	...	...	810	2	9	...	...	...	...	...	...
Porcelain for Electrical and Other Special Purposes .....	...	...	...	...	...	...	811	2	8	...	...	...
Porcelain for Electrical and Other Special Purposes .....	...	...	...	...	...	...	...	...	...	812	2	7
Advanced Experimental Work .....	...	...	...	...	...	...	816	2-5	3	...	...	...
Advanced Experimental Work .....	...	...	...	...	...	...	...	...	...	817	2-5	2
CHEMICAL ENGINEERING												
Chemical Engineering Practice Work .....	...	...	...	501	5	28	...	...	...	...	...	...
Elements of Chemical Engineering .....	...	...	...	...	...	...	700	2	32	...	...	...
Industrial Chemistry .....	701	3	(Q) 9	701	3	31	...	...	...	...	...	...
Industrial Chemistry .....	...	...	...	...	...	...	702	3	33	...	...	...
Inspection Trip to the East .....	...	...	...	...	...	...	...	...	...	703	0	46
Chemical Engineering and Industrial Chemistry Laboratory .....	706	2-5	(Q) 10	706	2-5	27	...	...	...	...	...	...
Engineering Chemistry and Chemical Engineering Laboratory .....	...	...	...	...	...	...	707	3	30	...	...	...
Applied Electrochemistry .....	...	...	...	...	...	...	...	...	...	710	3	12
Chemical Engineering Machinery Laboratory .....	...	...	...	712	2-6	5	712	2-6	4	712	2-6	9
Chemical Engineering Thesis .....	...	...	...	...	...	...	720	2	20	720	2-5	5
Chemical Engineering Thesis .....	...	...	...	721	5-6	1	...	...	...	721	5-6	20
Advanced Indus. Chemistry and Chemical Engineering .....	900	2-5	2	900	2-5	1	...	...	...	...	...	...
Advanced Indus. Chemistry and Chemical Engineering .....	...	...	...	...	...	...	901	2-5	2	...	...	...
Advanced Indus. Chemistry and Chemical Engineering .....	...	...	...	...	...	...	...	...	...	902	2-5	3
Seminary in Indus. Chemistry and Chemical Engineering .....	905	2	(Q) 25	905	2	28	...	...	...	...	...	...
Seminary in Indus. Chemistry and Chemical Engineering .....	...	...	...	...	...	...	906	2	27	...	...	...
Seminary in Indus. Chemistry and Chemical Engineering .....	...	...	...	...	...	...	...	...	...	907	2	28
Industrial Chemistry and Chemical Engineering Research .....	950	5-15	(Q) 23	950	5-15	22	950	5-15	22	950	5-15	28
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Elementary Chemistry .....	402	5	(2) 26	...	...	...	402	5	479	402	5	76
Qualitative Analysis .....	403	5	(Q) 18	...	...	...	...	...	...	403	5	244
General Chemistry .....	411	5	(1) 20	411	5	940	411	5	72	...	...	...
General Chemistry .....	412	5	(2) 17	...	...	...	412	5	854	412	5	100
Qualitative Chemistry .....	413	5	(Q) 20	...	...	...	...	...	...	413	5	558
Laboratory Technique .....	...	...	...	...	...	...	415	3	20	...	...	...
Quantitative Analysis .....	421	4	(Q) 12	421	4	157	...	...	...	...	...	...
Quantitative Analysis .....	...	...	...	...	...	...	422	4	151	...	...	...
Quantitative Analysis .....	...	...	...	...	...	...	...	...	...	423	4	111
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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Organic Chemistry .....	442	3	(2) 39	...	...	...	442	3	234	...	...	...
Organic Chemistry .....	444	2	(1) 42	444	2	246	...	...	...	...	...	...
Organic Chemistry .....	445	2	(2) 37	...	...	...	445	2	224	...	...	...
Organic Chemistry—Laboratory .....	449	3	(1) 17	...	...	...	...	...	...	...	...	...
Quantitative Analysis .....	561	5	(Q) 17	561	5	59	...	...	...	561	5	16
Organic Chemistry .....	...	...	...	...	...	...	562	5	17	...	...	...
Physical Chemistry .....	...	...	...	...	...	...	...	...	...	563	5	128
Advanced Quantitative Analysis .....	621	4-5	(Q) 10	621	4-5	8	...	...	...	...	...	...
General Quantitative Analysis .....	...	...	...	...	...	...	622	3	39	...	...	...
Gas Analysis .....	...	...	...	...	...	...	623	4-5	5	...	...	...
Advanced Qualitative Analysis .....	...	...	...	...	...	...	...	...	...	624	4-5	18
Water Analysis .....	...	...	...	...	...	...	...	...	...	625	5	9
Industrial Water Problems .....	...	...	...	...	...	...	627	3	10	...	...	...
Qualitative Organic Analysis .....	...	...	...	...	...	...	...	...	...	641	3	29
Quantitative Organic Analysis .....	...	...	...	...	...	...	...	...	...	642	3	7
Organic Chemistry .....	647	3	(1) 23	647	3	89	...	...	...	...	...	...
Organic Chemistry .....	648	3	(2) 22	...	...	...	648	3	84	...	...	...
Organic Chemistry—Laboratory .....	...	...	...	649	3	80	...	...	...	...	...	...
Organic Chemistry—Laboratory .....	650	3	(2) 16	...	...	...	650	3	53	...	...	...
Advanced Inorganic Chemistry .....	661	3	(1) 28	661	3	41	...	...	...	...	...	...
Advanced Inorganic Chemistry .....	...	...	...	...	...	...	662	3	46	...	...	...
Organic Nitrogen Compounds .....	...	...	...	...	...	...	...	...	...	667	3	21
Inorganic Preparations .....	672	3	(1) 23	...	...	...	...	...	...	672	3	30
The Phase Rule .....	...	...	...	...	...	...	675	3	10	...	...	...
Physical Chemistry .....	...	...	...	680	3	23	...	...	...	...	...	...
Physical Chemistry .....	681	3	(Q) 24	681	3	76	...	...	...	...	...	...
Physical Chemistry .....	...	...	...	...	...	...	682	3	75	...	...	...
Physical Chemistry .....	...	...	...	...	...	...	...	...	...	683	3	71
Physical Chemistry: Laboratory .....	691	2	(Q) 30	691	3	43	691	3	4	691	3	23
Physical Chemistry: Laboratory .....	...	...	...	692	2	5	692	2	29	...	...	...
Physical Chemistry: Laboratory .....	...	...	...	693	2	5	...	...	...	...	...	...
Colloid Chemistry .....	...	...	...	...	...	...	695	3	16	...	...	...
Theoretical Electrochemistry .....	...	...	...	696	3	16	...	...	...	...	...	...
Electrochemistry: Laboratory .....	...	...	...	697	2	10	...	...	...	...	...	...
Colloid Chemistry: Laboratory .....	...	...	...	...	...	...	698	2	5	...	...	...
Minor Problems in Chemistry .....	699	3-15	(Q) 4	699	3-15	6	699	3-15	3	699	3-15	8
Chemical Bibliography .....	782	1	(1) 37	...	...	...	782	1	32	...	...	...
Chemical Biography .....	783	1	(1) 31	783	1	39	...	...	...	...	...	...
Seminary in Analytical Chemistry .....	...	...	...	...	...	...	823	2	3	...	...	...
Historical Chemistry .....	830	3	(1) 22	830	3	17	...	...	...	...	...	...



Advanced Organic Chemistry.....	841	3	27	841	3	45	842	3	38	...	...	...
Advanced Organic Chemistry.....	844	3	(1) 9	844	3	29	845	3	19	...	...	...
Advanced Organic Preparations: Laboratory..	845	3	(2) 11	...	...	...	851	3	8	...	...	...
Seminary in Organic Chemistry.....	...	...	...	850	3	14	...	...	...	852	3	17
Seminary in Organic Chemistry.....	...	...	...	...	...	...	...	...	...	...	...	...
Seminary in Organic Chemistry.....	853	2	(1) 16	...	...	...	...	...	...	...	...	...
Seminary in Organic Chemistry.....	854	3	(2) 22	...	...	...	...	...	...	...	...	...
Seminary in Organic Chemistry.....	855	3	(2) 20	...	...	...	...	...	...	...	...	...
Physical Chemistry: Laboratory.....	861	3	(Q) 4	861	3	2	861	3	1	...	...	...
Atomic Structure .....	865	2	(1) 8	...	...	...	866	2	7	...	...	...
Seminary in Inorganic Chemistry.....	...	...	...	881	3	18	...	...	...	...	...	...
Advanced Lectures in Physical Chemistry....	...	...	...	...	...	...	882	3	14	...	...	...
Advanced Lectures in Physical Chemistry....	883	3	(Q) 5	...	...	...	...	...	...	...	...	...
Chemical Research .....	950	...	(Q) 21	950	...	46	950	...	43	950	...	44

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Land Surveying .....	...	...	...	401	5	66	401	5	20	...	...	...
Plane Surveying .....	...	...	...	403	5	13	402	5	54	402	5	10
Railroad Surveying .....	...	...	...	404	4	7	404	4	49	403	5	55
Topographic Drawing .....	...	...	...	...	...	...	...	...	...	...	...	...
Applied Descriptive Geometry.....	...	...	...	...	...	...	...	...	...	405	4	50
Summer Surveying Camp.....	407	6	18	...	...	...	...	...	...	411	3	110
Elementary Surveying .....	...	...	...	411	3	74	...	...	...	...	...	...
Surveying .....	...	...	...	412	5	9	...	...	...	...	...	...
Topographic Surveying .....	...	...	...	601	5	41	...	...	...	...	...	...
Sanitary Engineering .....	...	...	...	602	5	44	...	...	...	...	...	...
Timber Construction .....	...	...	...	...	...	...	603	5	44	...	...	...
Stresses in Structures.....	...	...	...	...	...	...	...	...	...	604	5	44
Roads and Pavements.....	...	...	...	...	...	...	...	...	...	605	5	44
Cement and Concrete.....	...	...	...	...	...	...	606	3	23	606	3	44
Summer Surveying Camp.....	607	6	6	...	...	...	...	...	...	...	...	...
Precise Surveying .....	...	...	...	608	3	39	...	...	...	...	...	...
Adjustment of Observations.....	...	...	...	...	...	...	609	3	41	...	...	...
Timber and Masonry .....	...	...	...	...	...	...	611	3	39	...	...	...
Concrete Design .....	...	...	...	701	5	35	...	...	...	...	...	...
Bridge Design .....	...	...	...	702	5	37	...	...	...	...	...	...
Water Supply Engineering.....	...	...	...	...	...	...	703	5	37	...	...	...
Masonry Construction .....	...	...	...	...	...	...	704	5	34	...	...	...
Masonry Structures .....	...	...	...	...	...	...	...	...	...	705	5	34
Thesis .....	...	...	...	706	1	32	...	...	...	...	...	...
Thesis .....	...	...	...	...	...	...	707	2	32	707	2	2
Thesis .....	...	...	...	...	...	...	...	...	...	708	5	36
Geodetic Engineering .....	...	...	...	...	...	...	...	...	...	709	3	4
Trusses .....	...	...	...	712	5	18	712	5	9	712	5	29
Concrete Design .....	...	...	...	713	5	16	...	...	...	...	...	...
Steel-Frame Buildings .....	...	...	...	...	...	...	714	5	13	...	...	...
Railway Engineering .....	...	...	...	730	3	4	...	...	...	732	3	8
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Tall Buildings .....	...	...	...	733	3	13	...	...	...	...	...	...
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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Advanced Bridges .....	...	...	...	...	3	5	...	...	...	735	3	12
Municipal Engineering .....	...	...	...	736	3	5	...	...	...	...	...	...
Highway Plans and Surveys .....	...	...	...	738	3	5	...	...	...	...	...	...
Bituminous Roads and Surfaces .....	...	...	...	...	...	...	739	3	5	...	...	...
Highway Design and Construction .....	...	...	...	...	...	...	...	...	...	741	3	9
Research in Civil Engineering .....	...	...	...	...	...	...	801	...	1	801	...	2
CLASSICAL LANGUAGES												
GREEK												
Elementary Greek .....	401	5	(Q) 10	401	5	11	...	...	...	...	...	...
Elementary Greek .....	...	...	...	...	...	...	402	5	4	...	...	...
Plato .....	...	...	...	...	...	...	...	...	...	403	5	4
Homer .....	...	...	...	404	5	2	...	...	...	...	...	...
Private Reading and Minor Problems .....	...	...	...	610	2-5	1	610	2-5	8	610	2-5	4
Principles of the Historical Study of Language .....	701	3	(Q) 11	...	...	...	...	...	...	701	3	11
Historical Greek and Latin Grammar .....	...	...	...	720	3	3	...	...	...	...	...	...
Historical Greek and Latin Grammar .....	...	...	...	...	...	...	721	3	3	...	...	...
LATIN												
Lucretius .....	324	...	(1) 17	...	...	...	...	...	...	...	...	...
Elementary Latin .....	...	...	...	401	5	16	...	...	...	...	...	...
Elementary Latin and Caesar .....	...	...	...	...	...	...	402	5	11	...	...	...
Caesar .....	...	...	...	...	...	...	...	...	...	403	5	10
Cicero's Orations .....	...	...	...	404	5	12	...	...	...	...	...	...
Vergil .....	...	...	...	...	...	...	405	5	8	...	...	...
Cicero, Horace, Ovid .....	...	...	...	406	5	27	...	...	...	...	...	...
Horace, Livy, Gellius .....	...	...	...	...	...	...	407	5	21	...	...	...
Latin Comedy .....	...	...	...	...	...	...	...	...	...	408	5	18
Sallust .....	...	...	...	...	...	...	...	...	...	409	5	3
Catullus, Pliny, Tacitus .....	...	...	...	501	3	12	...	...	...	...	...	...
Advanced Reading .....	...	...	...	...	...	...	...	...	...	503	3	6
Advanced Reading .....	...	...	...	...	...	...	504	3	6	...	...	...
Comparative Literature .....	...	...	...	...	...	...	...	...	...	506	3	21
Roman Private Life .....	...	...	...	507	3	16	...	...	...	...	...	...
Roman Art and Archaeology .....	...	...	...	...	...	...	508	3	12	...	...	...
Medical Latin .....	...	...	...	...	...	...	...	...	...	510	3	48
Latin Satire .....	...	...	...	602	3	7	...	...	...	...	...	...
Historical Latin Grammar: Inflections .....	...	...	...	...	...	...	609	3	7	...	...	...
Latin Prose Composition: First Course .....	...	...	...	...	...	...	612	3	15	...	...	...
Latin Prose Composition: Second Course .....	...	...	...	...	...	...	...	...	...	613	3	5
Proseminary I .....	...	...	...	...	...	...	615	3	6	...	...	...





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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Dental Medicine .....	...	...	...	425	2	69	426	2	67	...	...	...
Dental Medicine .....	...	...	...	...	...	...	...	...	...	427	2	67
Dental Medicine .....	...	...	...	428	2	47	...	...	...	...	...	...
Principles and Practice of Exodontia and X-Ray .....	...	...	...	...	...	...	429	2	47	...	...	...
Principles and Practice of Exodontia and X-Ray .....	...	...	...	...	...	...	...	...	...	430	2	46
Principles and Practice of Exodontia and X-Ray .....	...	...	...	...	...	...	...	...	...	431	2	46
Orthodontia Principles and Practice .....	...	...	...	433	2	71	434	2	68	...	...	...
Orthodontia Principles and Practice .....	...	...	...	...	...	...	...	...	...	435	2	69
Orthodontia Principles and Practice .....	...	...	...	437	2	70	...	...	...	...	...	...
Anesthetics .....	...	...	...	...	...	...	438	2	67	439	2	69
Anesthetics .....	...	...	...	...	...	...	...	...	...	...	...	...
Anesthetics .....	...	...	...	441	1	69	442	1	69	...	...	...
Ethics, Economics, History and Jurisprudence .....	...	...	...	...	...	...	...	...	...	443	1	70
Ethics, Economics, History and Jurisprudence .....	...	...	...	...	...	...	...	...	...	...	...	...
Ethics, Economics, History and Jurisprudence .....	...	...	...	445	2	71	...	...	...	...	...	...
Oral Surgery .....	...	...	...	...	...	...	446	2	68	447	2	68
Oral Surgery .....	...	...	...	...	...	...	...	...	...	...	...	...
Oral Surgery .....	...	...	...	...	...	...	...	...	...	452	2	46
PATHOLOGY:	...	...	...	...	...	...	...	...	...	...	...	...
General Pathology .....	...	...	...	...	...	...	...	...	...	...	...	...
PROSTHESIS												
Prosthetic Dentistry Technic .....	...	...	...	401	4	43	...	...	...	...	...	...
Prosthetic Dentistry Technic .....	...	...	...	...	...	...	402	4	44	403	4	43
Prosthetic Dentistry Technic .....	...	...	...	...	...	...	...	...	...	...	...	...
Prosthetic Dentistry Technic .....	...	...	...	405	3	43	406	3	43	407	3	47
Prosthetic Dentistry Technic .....	...	...	...	...	...	...	...	...	...	...	...	...
Prosthetic Dentistry Technic .....	...	...	...	409	3	49	...	...	...	...	...	...
Prosthetic Dentistry Principles and Practice .....	...	...	...	...	...	...	410	3	43	411	3	61
Prosthetic Dentistry Principles and Practice .....	...	...	...	...	...	...	...	...	...	...	...	...
Prosthetic Dentistry Principles and Practice .....	...	...	...	413	2	68	414	2	67	415	2	67
Prosthetic Dentistry Practice .....	...	...	...	...	...	...	...	...	...	419	2	43
Prosthetic Dentistry Practice .....	...	...	...	...	...	...	...	...	...	...	...	...
Dental Metallurgy .....	...	...	...	421	3	43	422	3	45	423	3	44
Crown and Bridge Technic .....	...	...	...	...	...	...	...	...	...	...	...	...
Crown and Bridge Technic .....	...	...	...	...	...	...	...	...	...	...	...	...
Crown and Bridge Technic .....	...	...	...	425	2	50	...	...	...	...	...	...

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Crown and Bridge Technic.....	...	...	...	...	...	426	2	48	...	2	48
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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
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FINE ARTS												
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Survey of Art.....	326	3	(2) 31	...	...	...	...	...	...	...	...	...
Elementary Design.....	331	3	(1) 5	...	...	...	...	...	...	...	...	...
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Freehand Drawing.....	...	...	...	...	...	...	402	2	14	...	...	...
Freehand Drawing.....	...	...	...	...	...	...	...	...	...	403	2	14
Advanced Freehand Drawing.....	...	...	...	404	2	30	...	...	...	...	...	...
Advanced Freehand Drawing.....	...	...	...	...	...	...	405	2	25	...	...	...
Water Color Painting.....	...	...	...	407	2	11	...	...	...	407	2	33
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Plant Materials .....	...	...	...	...	...	...	...	522	2	10
Plant Materials .....	...	...	...	...	...	...	...	...	...	...
Plant Materials .....	...	...	...	...	...	...	...	523	2	10
Plant Materials .....	...	...	...	...	...	...	...	...	...	...
Plant Materials .....	...	...	...	...	...	...	...	524	2	14
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Advanced General Geology: Historical.....	...	...	...	...	...	...	...	...	503	5	15	
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Advanced Historical Geology.....	...	...	...	...	...	802	3	6	...	...	...	
Advanced Historical Geology.....	...	...	...	...	...	...	...	...	803	3	5	
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Intermediate German.....	...	...	...	403	5	60	403	5	37	403	5	153
Easy Classical Reading.....	...	...	...	404	5	68	404	5	43	404	5	26
Science Reading.....	...	...	...	406	5	42	...	...	...	406	5	20
Elementary Composition .....	407	2	(Q) 9	407	2	22	407	2	15	407	2	12
Elementary Composition .....	...	...	...	408	2	5	408	2	6	408	2	7
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Comparative Education .....	613	2	(2) 8	...	...	...	613	2	12	...	...	...
Comparative Education .....	...	...	...	...	...	...	...	...	...	614	2	7
Great Teachers .....	617	2	(1) 18	...	...	...	...	...	...	617	2	7
The History of Higher Education .....	620	2	(2) 6	620	2	7	...	...	...	...	...	...
The Influence of the Natural Sciences on Education .....	...	...	...	...	...	...	621	2	5	...	...	...
Seminary in the History of Education .....	801	2-5	1-4 2-4	801	2-5	4	801	2-5	2	801	2-5	10
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Textiles and Clothing .....	...	...	...	...	...	...	402	5	44	402	5	67
Textiles and Clothing .....	404	5	(1) 26	...	...	...	404	5	15	...	...	...
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Elements of Nutrition .....	509	3	(1) 17	...	...	...	509	3	10	...	...	...
Elements of Nutrition and Food Preparation .....	510	5	(1) 23	...	...	...	510	5	20	...	...	...
Home Hygiene .....	...	...	...	511	3	31	511	3	66	...	...	...
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Clothing .....	601	3	(1) 19	...	...	...	601	3	16	601	3	15
Textiles .....	...	...	...	602	3	8	...	...	...	...	...	...
Nutrition .....	611	5	(2) 10	611	5	29	611	5	19	611	5	34
Nutrition .....	...	...	...	...	...	...	...	...	...	612	5	19
Foods .....	614	5	(1) 27	614	5	12	614	5	26	...	...	...
Experimental Work in Food Preparation .....	615	5	(2) 6	...	...	...	615	5	4	...	...	...
Household Management .....	617	5	(2) 16	617	5	21	617	5	25	617	5	29
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Household Equipment .....	...	...	...	...	...	...	...	...	...	619	3	6
Child Development .....	621	5	(1) 24	621	5	18	621	5	18	621	5	37
The Purchase of Foods for Institutions .....	...	...	...	630	5	9	630	5	5	...	...	...
Institution Management .....	...	...	...	631	5	9	631	5	5	...	...	...
Institution Management .....	...	...	...	...	...	...	632	5	9	632	5	8





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Forging and Sheet Metal Work.....	416	3	1-28	416	3	29	416	3	12	416	3	34
Advanced Forging and Heat Treating.....	...	...	2-19	417	2	11	417	2	13	...	...	...
Elementary Machine Work.....	419	3	57	419	3	81	419	3	60	419	3	46
Advanced Machine Work.....	421	3	25	421	3	38	421	3	67	421	3	54
Engineering Organization.....	...	...	...	601	4	44	...	...	...	...	...	...
The Laws of Engineering Management.....	...	...	...	...	...	...	602	3	40	...	...	...
Work Analysis.....	...	...	...	...	...	...	...	...	...	603	3	41
Advanced Machine Work.....	...	...	...	623	3	15	623	3	14	623	3	7
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Production Mathematics.....	...	...	...	...	...	...	704	4	25	704	4	14
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News-Collecting and News-Writing.....	...	...	...	402	5	17	402	5	53	402	5	22
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Agricultural Journalism.....	...	...	...	...	...	...	408	3	9	...	...	...
Copyreading.....	501	3	(Q) 8	501	3	17	...	...	...	...	...	...
Feature Writing.....	502	3	(Q) 6	...	...	...	502	3	34	502	3	17
Newspaper Ethics and Principles.....	...	...	...	513	3	23	...	...	...	513	3	24
Newspaper Law.....	...	...	...	514	3	20	...	...	...	514	3	23
Newspaper History and Comparative Journalism.....	...	...	...	...	...	...	517	5	45	...	...	...
Newspaper Organization.....	...	...	...	518	5	31	...	...	...	518	5	27
The Community Paper, Weekly and Daily.....	...	...	...	...	...	...	525	3	15	...	...	...
The Newspaper Business Office.....	...	...	...	526	3	14	...	...	...	526	3	33
Newspaper Problems.....	...	...	...	607	2	27	...	...	...	607	2	15
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Criminal Law.....	...	...	...	...	...	...	...	...	...	5	80
Real Property II.....	...	...	...	...	...	...	...	...	...	4	79
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Conflict of Laws.....	...	...	...	...	...	...	3	17	...	3	19
Legal Ethics.....	...	...	...	...	...	...	...	...	...	2	67
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Mortgages.....	...	...	...	...	...	...	3	63	...	...	...
Civil Procedure.....	...	...	...	4	129	...	2	115	...	...	...
Personal Property.....	...	...	...	3	126	...	...	...	...	...	...
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Legal Method.....	...	...	...	...	...	...	3	26	...	...	...
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Labor Law.....	...	...	...	...	...	...	3	10	...	...	...
Trial Practice.....	...	...	...	3	38	...	...	...	...	...	...
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Quasi-Contracts.....	...	...	...	3	35	...	...	...	...	...	...
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Constitutional Law Seminar.....	...	...	...	4	7	...	4	7	...	...	...
MATHEMATICS											
Sub-Freshman Mathematics.....	...	...	...	400	3	135	...	0	...	...	...
Solid Geometry.....	...	...	...	401	0	69	401	0	37	...	...
Mathematics for Students of Agriculture.....	...	...	...	407	5	30	407	5	30	407	5
College Algebra.....	...	...	...	421	5	338	421	5	160	...	...
Plane Trigonometry.....	...	...	...	...	...	...	442	5	110	442	5
Analytic Geometry.....	...	...	...	...	...	...	...	...	...	423	5
Mathematics of Finance.....	...	...	...	429	5	44	429	5	58	...	...
Mathematics of Insurance.....	...	...	...	...	...	...	...	...	...	430	5
Plane Trigonometry.....	431	5	(Q) 35	...	...	...	422	5	110	422	5

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College Algebra .....	...	...	...	432	5	481	432	5	224	...	...	...
Analytical Geometry .....	433	5	44	433	5	124	...	...	...	433	5	358
Elementary Mathematical Statistics .....	...	...	...	...	...	...	435	5	14	...	...	...
Calculus .....	441	5	18	441	5	370	441	5	130	...	...	...
Calculus .....	...	...	...	...	...	...	442	5	329	442	5	131
Calculus .....	...	...	...	443	5	91	...	...	...	443	5	237
Advanced Calculus .....	...	...	...	501	3	6	...	...	...	...	...	...
Differential Equations .....	...	...	...	...	...	...	502	3	11	...	...	...
Vector Analysis .....	...	...	...	...	...	...	...	...	...	503	3	9
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Introduction to the Theory of Functions of a Complex Variable .....	...	...	...	...	...	...	607	5	10	...	...	...
Differential Equations .....	...	...	...	...	...	...	611	5	35	...	...	...
Advanced Euclidean Geometry .....	621	5	(Q) 25	...	...	...	621	5	12	...	...	...
Projective Geometry .....	...	...	...	...	...	...	...	...	...	623	5	10
Elementary Theory of Equations .....	...	...	...	641	5	14	...	...	...	...	...	...
Vector Analysis .....	661	5	(Q) 15	...	...	...	...	...	...	661	5	25
Probability .....	...	...	...	691	5	14	...	...	...	...	...	...
Mathematical Statistics .....	...	...	...	...	...	...	696	5	8	...	...	...
Seminary in Mathematics .....	800	3-5	6	800	3-5	...	...	...	...	800	3-5	8
Reading and Research .....	801	3-10	(Q) 6	801	3-10	4	801	3-10	6	801	3-10	7
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Theory of Functions of a Complex Variable .....	...	...	...	806	5	6	806	5	5	806	5	4
Methods of Analysis I .....	...	...	...	...	...	...	814	5	6	...	...	...
Calculus of Variations .....	...	...	...	...	...	...	...	...	...	816	5	6
Partial Differential Equations .....	817	5	(Q) 17	817	5	6	...	...	...	...	...	...
Algebraic Geometry .....	825	5	(Q) 13	...	...	...	...	...	...	...	...	...
Differential Geometry .....	...	...	...	827	5	8	827	5	7	827	5	5
Introduction to Higher Algebra .....	...	...	...	851	5	6	...	...	...	...	...	...
Algebraic Invariants .....	...	...	...	...	...	...	852	5	6	...	...	...
Differential Invariants .....	...	...	...	...	...	...	...	...	...	853	5	9
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Fourier's Series and Spherical Harmonics .....	861	5	(Q) 10	861	5	14	...	...	...	...	...	...
MECHANICAL ENGINEERING												
Heat-Power Engineering .....	...	...	...	...	...	...	...	...	...	409	3	67
Materials of Engineering .....	...	...	...	...	...	...	...	...	...	427	3	119
Practical Experience in a Mechanical Engineering Industry .....	...	...	...	439	5	26	439	5	18	...	...	...
General Aeronautics .....	...	...	...	501	...	5	...	...	...	...	...	...





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Hydraulic Power Laboratory.....	...	...	...	...	...	...	...	...	...	785	3	3
Gas Power and Laboratory Work.....	...	...	...	...	...	...	...	...	...	813	2-6	10
Advanced Machine Design.....	...	...	...	...	...	...	822	2-5	3	...	...	...
Advanced Machine Design.....	...	...	...	...	...	...	...	...	...	823	2-5	3
<b>MECHANICS</b>												
Statics.....	...	...	...	...	...	...	501	5	19	...	...	...
Strength of Materials.....	...	...	...	...	...	...	...	...	...	502	5	17
Statics.....	...	...	...	503	5	38	...	...	...	503	5	92
Statics.....	...	...	...	601	5	183	601	5	51	...	...	...
Strength of Materials.....	...	...	...	602	5	71	602	5	175	602	5	51
Strength of Materials.....	...	...	...	605	2	32	605	2	53	605	2	170
Dynamics and Hydraulics.....	...	...	...	607	3	29	607	3	49	607	3	166
Advanced Theoretical Mechanics.....	...	...	...	801	3	4	...	...	...	...	...	...
Advanced Theoretical Mechanics.....	...	...	...	...	...	...	802	3	3	...	...	...
Advanced Theoretical Mechanics.....	...	...	...	...	...	...	...	...	...	803	3	3
<b>MEDICINE</b>												
Introduction to Clinical Medicine.....	...	...	...	600	1	100	...	...	...	...	...	...
Medical Law.....	...	...	...	...	...	...	...	...	...	601	2	82
Physical Diagnosis.....	...	...	...	...	...	...	...	...	...	601	3	45
Medicine, General and Clinical.....	...	...	...	602	5	80	603	5	80	604	5	72
Nervous Diseases.....	...	...	...	605	3	80	...	...	...	...	...	...
Dermatology.....	...	...	...	...	...	...	...	...	...	606	3	73
Genito-Urinary Diseases.....	...	...	...	...	...	...	607	3	75	...	...	...
Medicine: Special Topics, Ethics, Etc.....	...	...	...	608	1	78	609	1	78	610	1	78
Psychiatry.....	...	...	...	...	...	...	611	1	80	...	...	...
Pediatrics, Didactic.....	...	...	...	612	2	75	...	...	...	...	...	...
Therapeutics.....	...	...	...	...	...	...	...	...	...	614	2	78
Pediatrics, Didactic and Clinical.....	...	...	...	615	2	81	616	2	80	617	2	82
Tuberculosis.....	...	...	...	...	...	...	619	2	30	...	...	...
Syphilology.....	...	...	...	...	...	...	...	...	...	623	2	49
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Visceral Neurology.....	...	...	...	...	...	...	630	2	28	...	...	...
Localization in the Nervous System.....	...	...	...	...	...	...	...	...	...	631	2	5
<b>METALLURGY</b>												
Elementary Fuel Testing.....	...	...	...	401	2	17	...	...	...	...	...	...
Metallurgical Analysis.....	...	...	...	...	...	...	405	5	10	...	...	...
Metallurgical Analysis.....	...	...	...	...	...	...	...	...	...	406	5	14



Fire Assaying .....	451	3	43	410	3	6	410	5
Metallurgical Analysis .....	451	3	43	452	4	35	453	4
Ceramic Analysis .....	452	4	35	454	4	2	453	4
Ceramic Analysis .....	454	4	2	454	4	2	453	4
Metallurgical Analysis .....	605	3	21	605	2	25	607	3
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Principles of Metallurgy .....	606	2	22	651	3	51	610	5
Inspection of Commercial Metals .....	620	5	30	652	1	41	645	12
Non-Ferrous Metallurgy .....	620	5	30	655	3	5	645	12
Principles of Ore Dressing .....	650	2	21	650	2	25	665	5
Inspection Trip .....	651	3	99	651	3	51	665	5
Pyrometry .....	652	1	41	655	3	5	665	5
Fuels .....	652	1	41	655	3	5	665	5
Gas Testing and Calorimetry .....	701	4	21	701	4	21	665	5
Technical Gas and Fuel Analysis .....	705	4	15	705	4	15	665	5
General Metallurgy .....	705	4	15	705	4	15	665	5
Advanced Metallurgy .....	709	6	3	709	6	3	665	5
Heat Treatment and Special Steels .....	710	3-5	12	710	3-5	13	665	5
Metallurgical Construction .....	711	5	13	711	5	13	665	5
Metallurgical Construction .....	711	5	13	711	5	13	665	5
The Principles of Gas Engineering .....	720	3	19	720	3	19	665	5
Metallurgical Investigations .....	725	5-6	3	725	5-6	3	665	5
Metallurgical Investigations .....	725	5-6	3	725	5-6	3	665	5
Ore Dressing .....	725	5-6	3	725	5-6	3	665	5
Thesis .....	725	5-6	3	725	5-6	3	665	5
MINE ENGINEERING								
Mine Surveying .....	401	5	21	401	5	21	406	4
Mine Surveying .....	401	5	21	401	5	21	406	4
Surveying .....	601	5	12	601	5	12	501	5
Prospecting and Preliminary Operations .....	601	5	12	601	5	12	501	5
Inspection Trip .....	702	5	4	702	5	4	630	7
Development and Methods of Mining .....	702	5	4	702	5	4	630	7
Mine Operations .....	702	5	4	702	5	4	630	7
Mine Examinations and Reports .....	702	5	4	702	5	4	630	7
Mine Design .....	711	5	1	703	5	1	701	3
Petroleum Engineering .....	711	5	1	711	5	3	701	3
Petroleum Engineering .....	721	3	4	722	3	5	701	3
Petroleum Engineering .....	721	3	4	722	3	5	701	3
Thesis .....	750	3-5	1	741	5	1	723	3
Mine Investigations .....	750	3-5	1	750	3-5	3	723	3
Principles of Mining .....	760	3	7	750	3-5	3	750	3-5
Explosives and Rock Work .....	761	3	7	761	3	7	750	3-5
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Descriptive Mineralogy .....	402	3	5	402	3	91	402	3
Determinative Mineralogy .....	404	3	4	404	3	4	402	3
Advanced Crystallography .....	605	3	30	605	3	21	404	3
Thermochemical Mineralogy .....	605	3	30	605	3	21	601	5
Advanced Thermochemical Mineralogy .....	606	3	21	606	3	21	605	3
Elementary Microscopic Petrography .....	611	4	33	611	4	33	605	3
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Mineralogical Investigations .....	...	...	...	...	...	...	631	3-5	10	631	3-5	9
MUSIC												
Methods of Class Instruction in Piano.....	314	3	(1) 11	...	...	...	...	...	...	...	...	...
Methods of Class Instruction in Voice.....	317	3	(1) 12	...	...	...	...	...	...	...	...	...
Rural School Music and County Supervision..	330	4	(1) 9	...	...	...	...	...	...	...	...	...
Teaching Music Appreciation in Secondary Schools .....	354	2	(1) 33	...	...	...	...	...	...	...	...	...
History and Appreciation .....	430	4	(2) 30	...	...	...	430	4	45	...	...	...
History and Appreciation .....	...	...	...	...	...	...	...	...	...	431	4	44
School Music I .....	442	3	2-11	442	3	40	...	...	...	...	...	...
School Music II .....	443	3	(1) 16	...	...	...	...	...	...	443	3	30
The Teaching of Elementary School Music....	447	2	(1) 12	447	2	33	...	...	...	...	...	...
The Teaching of Elementary School Music....	448	3	(2) 7	...	...	...	...	...	...	448	3	29
Teaching of Music Appreciation in the Elementary Grades .....	449	2	(1) 33	...	...	...	449	2	17	...	...	...
Song Literature for Elementary Grades .....	...	...	...	...	...	...	450	2	16	...	...	...
Conducting .....	459	1	(1) 18	...	...	...	459	1	30	...	...	...
Harmony .....	460	3	(1) 9	460	3	47	...	...	...	...	...	...
Harmony .....	...	...	...	...	...	...	461	3	49	...	...	...
Harmony .....	...	...	...	...	...	...	...	...	...	462	3	45
Advanced Harmony .....	463	3	(1) 16	463	3	27	...	...	...	...	...	...
Harmonic Analysis .....	465	3	(2) 14	...	...	...	465	3	20	...	...	...
Form .....	468	3	(1) 14	...	...	...	...	...	...	468	3	29
Elementary Sight Singing and Ear Training..	476	3	(1) 10	476	3	59	...	...	...	...	...	...
Elementary Sight Singing and Ear Training..	478	3	(2) 6	...	...	...	478	3	46	...	...	...
Elementary Sight Singing and Ear Training..	...	...	...	...	...	...	...	...	...	479	3	43
Elementary Sight Singing and Ear Training..	...	...	...	480	4	20	...	...	...	...	...	...
Intermediate Sight Singing and Ear Training..	482	3	(2) 14	482	3	29	482	3	16	...	...	...
Intermediate Sight Singing and Ear Training..	...	...	...	...	...	...	483	3	13	483	3	27
Advanced Sight Singing and Ear Training....	...	...	...	485	1	25	...	...	...	...	...	...
Advanced Sight Singing and Ear Training....	...	...	...	...	...	...	486	1	7	486	1	10
Applied Music .....	...	...	...	501	1 or 2	66	...	...	...	...	...	...
Applied Music .....	502	1 or 2	32	502	1 or 2	54	...	...	...	503	1 or 2	39
Applied Music .....	...	...	...	...	...	...	...	...	...	...	...	...
Applied Music .....	504	1 or 2	(1) 11	504	1 or 2	44	...	...	...	...	...	...
Applied Music .....	505	1 or 2	(1) 4	...	...	...	505	1 or 2	46	...	...	...
Applied Music .....	...	...	...	...	...	...	...	...	...	506	1 or 2	27
Applied Music .....	...	...	...	507	1 or 2	17	...	...	...	...	...	...



Applied Music	508	1	(1) 14	...	...	508	1	27	...	...	509	1	28
Applied Music	510	1	(1) 10	510	1	22	...	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	...	...	...	...
Applied Music	512	1	(1) 14	...	...	511	1	22	...	...	512	1	42
Applied Music	...	...	...	520	1	11	...	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	521	1	18	...	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	...	522	1	25
Applied Music	...	...	...	525	1	22	...	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	526	1	28	...	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	...	527	1	40
Applied Music	...	...	...	530	1	4	...	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	531	1	5	...	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	...	532	1	4
Applied Music	...	...	...	533	1	1	...	...	...	...	...	...	...
Applied Music	...	...	...	540	2	5	...	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	...	542	2	4
Applied Music	...	...	...	545	3	1	...	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	...	547	3	1
The Romanticists	601	4	(1) 24	601	4	33	...	...	...	...	...	...	...
Wagner and the Music Drama	...	...	...	602	3	6	...	...	...	...	...	...	...
Modern Music	...	...	...	...	...	...	603	4	27	...	...	...	...
History of Choral Music	605	3	(1) 8	...	...	...	...	...	...	...	605	3	11
Music in the Junior High School	610	3	1-25 2-24 1-24	610	3	19	...	...	...	...	...	...	...
High School Music	611	3	2-22	...	...	...	...	...	...	...	611	3	19
Supervision of Music in Elementary Schools	...	...	...	612	3	4	...	...	...	...	...	...	...
Supervision of Music in Secondary Schools	613	3	(1) 10	...	...	...	...	...	...	...	613	3	6
Methods of Class Instruction in Piano	...	...	...	614	1	4	...	...	...	...	...	...	...
Methods of Class Instruction in Piano	...	...	...	...	...	...	615	1	3	...	...	...	...
Instrumentation	630	3	(1) 8	630	3	20	...	...	...	...	...	...	...
Instrumentation	632	3	(1) 8	...	...	...	632	3	24	...	...	...	...
Instrumentation	...	...	...	...	...	...	...	...	...	...	635	3	4
Organization and Conducting of the School	...	...	...	...	...	...	...	...	...	...	...	...	...
Band and Orchestra	642	2	(1) 22	...	...	...	642	2	20	...	...	...	...
Band and Orchestra Materials	...	...	...	...	...	...	...	...	...	...	643	3	10
Minor Problems	650	1-5	(2) 2	650	1-5	6	650	1-5	2	...	650	1-5	8
University Chorus	A	1	(1) 95	A	1	342	A	1	223	...	A	1	186
University Orchestra	...	...	...	B	1	69	B	1	66	...	B	1	72
The University Band	...	...	...	C	1	231	C	1	213	...	C	1	194
The University Concert Band	...	...	...	D	1	82	D	1	83	...	D	1	81
Girls' Glee Club	...	...	...	E	0	63	E	0	54	...	E	0	48
Men's Glee Club	...	...	...	G	0	103	G	0	100	...	G	0	107
SCHOOL OF NURSING													
NURSING:	...	...	...	...	...	...	...	...	...	...	...	...	...
Elementary Nursing	...	...	...	401	5	35	...	...	...	...	401	5	13
Elementary Nursing	402	3	7	...	...	...	402	3	33	...	402	3	1
Medical Nursing: Medical Diseases	...	...	...	...	...	...	...	...	...	...	410	3	34
Medical Nursing: Pediatrics	...	...	...	413	3	42	...	...	...	...	...	...	...
Medical Nursing: Communicable Diseases	...	...	...	...	...	...	416	3	4	...	416	3	38
Medical Nursing: Nervous & Mental Diseases	...	...	...	418	1	18	...	...	...	...	...	...	...

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Medical Nursing: Dermatology.....	...	...	...	420	1	22	...	...	...	...	...	...
Surgical Nursing: Surgical Diseases.....	...	...	...	425	3	45	...	...	...	...	...	...
Surgical Nursing: Gynecology and Genito-Urinary Diseases.....	...	...	...	...	...	...	428	3	47	...	...	...
Surgical Nursing: Orthopedics.....	...	...	...	...	...	...	...	...	...	430	1	44
Surgical Nursing: Diseases of the Eye.....	...	...	...	...	...	...	...	...	...	432	1	45
Surgical Nursing: Diseases of Ear, Nose, and Throat.....	...	...	...	...	...	...	...	...	...	433	1	43
Obstetrical Nursing.....	...	...	...	435	3	40	...	...	...	...	...	...
Ethics and History of Nursing.....	...	...	...	...	...	...	450	2	46	...	...	...
Survey of Nursing.....	...	...	...	...	...	...	455	1	19	...	...	...
Professional Problems.....	...	...	...	...	...	...	460	1	18	...	...	...
Introduction to Institutional Work.....	...	...	...	...	...	...	...	...	...	470	1	23
NURSING PRACTICE:												
Nursing Practice.....	...	...	...	501	3	35	...	...	...	501	3	13
Nursing Practice.....	502	5	7	...	...	...	502	5	34	502	5	1
Nursing Practice.....	...	...	...	503	7	9	...	...	...	503	7	27
Nursing Practice.....	...	...	...	...	...	...	...	...	...	505	7	36
Nursing Practice.....	...	...	...	...	...	...	506	7	41	...	...	...
Nursing Practice.....	...	...	...	507	7	41	...	...	...	507	7	1
Nursing Practice.....	...	...	...	508	7	1	...	...	...	508	7	2
Nursing Practice.....	...	...	...	509	7	21	509	...	1	509	7	7
Nursing Practice.....	...	...	...	...	...	...	510	7	21	...	...	...
Nursing Practice.....	...	...	...	...	...	...	511	7	1	511	7	14
Nursing Practice.....	550	4-16	64	...	...	...	...	...	...	...	...	...
OBSTETRICS												
Obstetrics, Normal.....	...	...	...	...	...	...	601	3	74	...	...	...
Obstetrics, Abnormal.....	...	...	...	...	...	...	...	...	...	602	3	75
Obstetrics, Pathological.....	...	...	...	603	3	39	...	...	...	...	...	...
Obstetrics, Pathological.....	...	...	...	...	...	...	604	3	40	...	...	...
Clinical Obstetrics.....	...	...	...	605	4	20	605	4	20	605	4	20
OPHTHALMOLOGY												
Ophthalmology.....	...	...	...	601	3	75	...	...	...	...	...	...
OTO-LARYNGOLOGY												
Oto-Laryngology.....	...	...	...	...	...	...	602	3	75	...	...	...



PATHOLOGY									
Pathology for Nurses.....	...	...	...	...	...	...	...	...	...
General Pathology.....	...	...	...	450	3	56	451	3	55
Pathology of the Eye.....	...	...	...	460	3	6	461	3	4
General Pathology.....	...	...	...	600	1	91	...	...	...
General Pathology.....	...	...	...	...	...	...	601	3	92
Special Pathology.....	...	...	...	...	...	...	...	...	602
Clinical Pathology.....	...	...	...	603	3	75	...	...	...
Clinical Pathology.....	...	...	...	...	...	...	604	3	75
Surgical Pathology.....	...	...	...	...	...	...	...	...	605
Medical Pathology.....	...	...	...	...	...	...	...	...	606
Post-Mortem Demonstration.....	...	...	...	607	1	23	607	1	23
Advanced Pathology.....	...	...	...	608	3-5	11	609	3-5	11
Advanced Special Pathology.....	...	...	...	611	3-5	5	612	3-5	4
Advanced Clinical Pathology.....	...	...	...	616	3	8	617	3	12
Neuropathology.....	...	...	...	...	...	...	620	1	1

PHARMACY									
Pharmacy Survey.....	...	...	...	400	1	37	...	...	...
Pharmacy.....	...	...	...	401	5	29	401	5	14
Pharmacy.....	...	...	...	...	...	...	402	5	25
Pharmacy.....	...	...	...	403	5	9	...	...	403
Pharmacy.....	...	...	...	404	5	23	404	5	15
Pharmacy.....	...	...	...	...	...	...	405	5	19
Pharmacy.....	...	...	...	406	5	13	...	...	406
Materia Medica.....	...	...	...	407	3	31	...	...	...
Materia Medica.....	...	...	...	...	...	...	408	3	31
Materia Medica.....	...	...	...	...	...	...	...	...	409
Pharmaceutical Analysis.....	...	...	...	410	5	33	...	...	...
Pharmaceutical Analysis.....	...	...	...	...	...	...	411	5	31
Pharmaceutical Analysis.....	...	...	...	...	...	...	...	...	412
Pharmacognosy: Microscopical.....	...	...	...	416	3	27	...	...	...
Pharmacognosy: Microscopical.....	...	...	...	...	...	...	417	3	26
Pharmacognosy: Microscopical.....	...	...	...	...	...	...	...	...	418
Toxicology.....	...	...	...	...	...	...	...	...	419
Pharmacognosy: Commercial.....	...	...	...	422	5	20	...	...	422
Pharmacy: Commercial.....	...	...	...	...	...	...	423	3	40
Pharmacy: Commercial.....	...	...	...	...	...	...	...	...	424
Pharmaceutical Arithmetic.....	...	...	...	425	3	43	425	3	15
Pharmaceutical Arithmetic.....	...	...	...	...	...	...	426	3	38
Pharmacy: Applied.....	...	...	...	427	3	14	...	...	427
Current Pharmaceutical and Technical Literature.....	...	...	...	428	2	21	...	...	428
Pharmaceutical Arithmetic.....	...	...	...	429	3	5	...	...	429
Pharmaceutical Latin.....	...	...	...	430	5	16	...	...	430
Thesis.....	...	...	...	431	3	39	...	...	...
Thesis.....	...	...	...	...	...	...	432	3	37

PHILOSOPHY									
Introduction to Philosophy.....	401	5	(1) 41	401	5	57	401	5	35
Elementary Logic.....	402	5	(Q) 23	402	5	27	402	5	40
Elementary Ethics.....	405	5	(Q) 14	405	5	27	405	5	43
			(1) 88						

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Ancient Philosophy .....	601	5	(1) 22	601	5	35	...	...	...	...	...	...
Modern Philosophy .....	602	5	(2) 14	...	...	...	602	5	37	...	...	...
Contemporary Philosophy .....	...	...	...	...	...	...	...	...	...	603	5	28
Development of Hebrew Ideas in the Old Testament .....	...	...	...	...	...	...	...	...	...	607	5	12
Origins of Christian Thought .....	...	...	...	...	...	...	610	3	11	...	...	...
Origin and Development of Religious Ideas .....	...	...	...	611	5	32	...	...	...	...	...	...
Elements of Symbolic Logic .....	...	...	...	...	...	...	...	...	...	650	3	7
Philosophy of Science .....	...	...	...	652	3	5	...	...	...	...	...	...
Philosophy of Religion .....	...	...	...	...	...	...	...	...	...	653	3	11
Minor Problems .....	660	2-5	5	660	2-5	1	660	2-5	5	660	2-5	3
Metaphysics of Knowledge and Nature .....	...	...	...	661	3	8	...	...	...	...	...	...
Metaphysics of Personality and Values .....	662	3	(Q) 4	...	...	...	662	3	8	...	...	...
Seminary in Systematic Philosophy .....	...	...	...	801	3	6	...	...	...	...	...	...
Seminary in Systematic Philosophy .....	...	...	...	...	...	...	802	3	1	...	...	...
Seminary in Systematic Philosophy .....	...	...	...	...	...	...	...	...	...	803	3	6
Seminary in Systematic Philosophy .....	804	3	(Q) 7	...	...	...	...	...	...	...	...	...
Scientific Method .....	...	...	...	805	2	8	...	...	...	...	...	...
Research .....	808	3-10	3	...	...	...	...	...	...	...	...	...
Research .....	...	...	...	809	3-10	7	809	3-10	2	...	...	...
Research .....	...	...	...	...	...	...	810	3-10	3	...	...	...
Research .....	...	...	...	...	...	...	...	...	...	811	3-10	7
PHYSIOLOGICAL CHEMISTRY												
Physiological Chemistry .....	...	...	...	601	5	96	...	...	...	...	...	...
Physiological Chemistry .....	...	...	...	...	...	...	602	5	78	...	...	...
Quantitative Methods of Blood and Urine Analysis .....	...	...	...	...	...	...	...	...	...	613	3	10
Biochemical Methods of Research .....	...	...	...	614	5	8	...	...	...	...	...	...
Toxicology .....	...	...	...	...	...	...	...	...	...	618	3	4
Minor Problems in Physiological Chemistry .....	...	...	...	619	2-15	5	619	2-15	6	619	2-15	4
Materia Medica .....	...	...	...	...	...	...	670	5	92	...	...	...
Pharmacology .....	...	...	...	...	...	...	...	...	...	671	5	80
Seminary in Physiological Chemistry .....	...	...	...	...	...	...	...	...	...	813	2	5
Biochemical Biography .....	...	...	...	...	...	...	...	...	...	815	1	7
Physiological Chemical Research .....	...	...	...	...	...	...	...	...	...	901	...	1
PHONETICS												
General Phonetics: Physiological .....	...	...	...	403	5	17	...	...	...	...	...	...
General Phonetics: Practical .....	...	...	...	...	...	...	407	5	39	...	...	...



Physiology and Hygiene of Voice.....	...	...	...	...	...	...	...	...	413	5	41
English Phonetics.....	...	...	...	...	...	...	...	...	610	3	5
Americanization Phonetics.....	...	...	615	3-5	9	615	3-5	5	615	3-5	7
History of Experimental Phonetics.....	...	...	622	5	5	...	...	...	...	...	...
Speech Defects in Elementary Schools.....	...	...	...	...	...	...	...	...	630	5	4
Work with the Deaf and Hard of Hearing....	...	...	...	...	...	635	5	5	...	...	...
Minor Research: Human Speech.....	...	...	700	3-5	8	700	3-5	7	700	3-5	7
Phonetic Research: Major Problems.....	...	...	...	...	...	800	3-5	1	...	...	...
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Photography.....	...	...	611	3	28	...	...	...	611	3	63
Advanced Photography.....	...	...	...	...	...	750	3	6	...	...	...
PHYSICS											
Elementary Physics.....	...	...	401	5	80	401	5	62	...	...	...
Elementary Physics.....	...	...	...	...	...	402	5	47	402	5	32
General Physics: Mechanics and Heat.....	...	...	403	5	53	...	...	...	...	...	...
General Physics: Sound, Light, Electricity...	...	...	...	...	...	404	5	32	...	...	...
Elementary Electron Physics.....	...	...	...	...	...	...	...	...	409	5	30
General Physics: Mechanics.....	...	...	411	5	252	411	5	46	...	...	...
General Physics: Heat, Sound, Light.....	412	5	(Q) 15	...	...	412	5	228	...	...	...
General Physics: Electricity.....	...	...	...	...	...	...	...	...	413	5	189
Physics for Students of Agriculture:	...	...	...	...	...	...	...	...	...	...	...
Mechanics, Heat, and Electricity.....	...	...	421	5	22	421	5	52	421	5	36
General Physics for Engineers: Mechanics...	...	...	431	5	316	431	5	135	431	5	32
General Physics for Engineers: Heat, Sound	...	...	...	...	...	...	...	...	...	...	...
and Light.....	432	5	(Q) 16	...	...	432	5	315	...	...	...
General Physics for Engineers: Electricity	...	...	...	...	...	...	...	...	...	...	...
and Magnetism.....	...	...	433	5	41	...	...	...	433	5	247
Electricity and Magnetism.....	...	...	435	3	78	...	...	...	...	...	...
Electricity and Magnetism.....	...	...	...	...	...	436	5	65	...	...	...
Electrical Measurements and Photometry...	...	...	...	...	...	...	...	...	437	5	59
Geometrical and Physical Optics.....	...	...	501	5	15	...	...	...	...	...	...
Geometrical and Physical Optics.....	...	...	...	...	...	502	5	16	...	...	...
Geometrical and Physical Optics.....	...	...	...	...	...	...	...	...	503	5	16
Advanced Light.....	...	...	...	...	...	...	...	...	607	4	20
Advanced Electricity.....	...	...	...	...	...	608	4	13	...	...	...
Molecular Physics and Heat.....	609	4	(Q) 5	609	4	16	...	...	...	...	...
Conduction of Electricity through Gases and	...	...	...	...	...	...	...	...	...	...	...
Radioactivity.....	...	...	...	...	...	610	4	26	...	...	...
Modern Spectroscopy.....	611	4	(Q) 12	611	4	16	...	...	...	...	...
Periodic and Transient Electric Currents....	...	...	...	...	...	...	...	...	612	4	18
Advanced Physical Laboratory.....	616	3-24	(Q) 21	616	3-24	14	616	3-24	26	616	3-24
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Acoustics.....	...	...	...	...	...	...	...	...	...	...	...
Thermionics and High Vacuum Phenomena...	622	4	(Q) 15	...	...	...	621	4	15	...	...
Introduction to Theoretical Physics.....	...	...	623	3	11	...	...	...	...	...	...
Introduction to Theoretical Physics.....	...	...	...	...	...	624	3	7	...	...	...
Introduction to Theoretical Physics.....	...	...	...	...	...	...	...	...	625	3	8
Minor Investigations.....	...	...	630	3-5	4	630	3-5	3	630	3-5	6
Modern Theories of Electricity and	...	...	...	...	...	...	...	...	...	...	...
Applications.....	...	...	738	4	48	...	...	...	...	...	...
Electromagnetic Theory of Light.....	...	...	...	...	...	...	...	...	801	3	9

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Theory of Electricity and Magnetism.....	...	...	...	805	3	13	...	...	...	...	...	...
Theory of Electricity and Magnetism.....	...	...	...	...	...	...	806	3	11	...	...	...
Theory of Electricity and Magnetism.....	...	...	...	...	...	...	...	...	...	807	3	9
Theory of Oscillations.....	...	...	...	809	3	3	...	...	...	...	...	...
Quantum and Wave Mechanics.....	817	3	(1) 11	817	3	4	...	...	...	...	...	...
Quantum and Wave Mechanics.....	...	...	...	...	...	...	818	3	7	...	...	...
Quantum and Wave Mechanics.....	...	...	...	...	...	...	...	...	...	819	3	8
Conduction of Electricity through Gases.....	821	3	(Q) 19	...	...	...	...	...	...	...	...	...
Statistical Mechanics.....	...	...	...	824	3	5	...	...	...	...	...	...
Applications of Wave Mechanics to Physico-Chemical Phenomena.....	...	...	...	...	...	...	825	3	4	...	...	...
Selected Topics from Contemporaneous Physics.....	827	3	(Q) 13	...	...	...	...	...	...	...	...	...
Research Laboratory.....	830	3	(Q) 13	830	3	13	...	...	...	...	...	...
Research Laboratory.....	...	...	...	...	...	...	831	3	17	...	...	...
Research Laboratory.....	...	...	...	...	...	...	...	...	...	832	3	19
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Elementary Physiology.....	408	5	(2) 43	...	...	...	408	5	141	408	5	54
Elementary Physiology.....	...	...	...	...	...	...	409	5	101	409	5	24
Elementary Physiology.....	...	...	...	...	...	...	...	...	...	412	3	40
Comparative Physiology.....	...	...	...	413	5	35	...	...	...	...	...	...
Comparative Physiology.....	...	...	...	...	...	...	414	5	34	...	...	...
Principles of Physiology.....	...	...	...	...	...	...	...	...	...	419	5	132
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Physiology—Dental.....	...	...	...	...	...	...	502	6	46	...	...	...
Physiology.....	...	...	...	...	...	...	...	...	...	503	2	43
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Advanced Physiology.....	...	...	...	...	...	...	605	6	88	...	...	...
Advanced Physiology.....	...	...	...	...	...	...	...	...	...	606	3	86
Physiological Laboratory.....	611	5	(1) 2	611	5	2	...	...	...	...	...	...
Physiological Laboratory.....	...	...	...	...	...	...	...	...	...	613	5	4
Advanced Physiology.....	...	...	...	615	5	9	...	...	...	615	5	1
Advanced Physiology.....	...	...	...	...	...	...	616	5	5	...	...	...
General Physiology.....	617	5	(1) 8	...	...	...	...	...	...	617	5	23
Physiology of Metabolism.....	...	...	...	618	3-5	11	...	...	...	...	...	...
Physiology of Reproduction.....	...	...	...	...	...	...	619	3-5	17	...	...	...
Physiology of Exercise.....	...	...	...	...	...	...	...	...	...	620	3-5	17
Research Physiology: Minor.....	801	5	(1) 2	801	5	5	801	5	1	...	...	...



Research Physiology: Minor.....	...	...	...	...	802	5	2	...	803	5	3
Research Physiology: Minor.....	...	...	...	...	...	...	...	...	...	...	...
Research Physiology: Major.....	...	...	...	804	10-15	1	...	...	...	...	...
Research Physiology: Major.....	...	...	...	...	...	...	805	10-15	1	...	...
Research Physiology: Major.....	...	...	...	...	...	...	...	...	...	806	10-15
Seminary in Physiology.....	...	...	...	815	1	3	...	...	...	...	1
Seminary in Physiology.....	...	...	...	...	...	...	816	1	3	...	...
Seminary in Physiology.....	...	...	...	...	...	...	...	...	...	817	1
Seminary in Physiology.....	...	...	...	...	...	...	...	...	...	...	3

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Hygiene .....	...	...	...	400	1	703	400	1	698	400	1	508
Physical Education .....	...	...	...	401	1	2070	...	...	...	...	...	...
Physical Education .....	...	...	...	...	...	...	402	1	1787	...	...	...
Physical Education .....	...	...	...	...	...	...	...	...	...	403	1	1664
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Theory and Practice of Physical Education...	...	...	...	441	2	34	...	...	...	...	...	...
Theory and Practice of Physical Education...	...	...	...	...	...	...	442	2	30	...	...	...
Theory and Practice of Physical Education...	...	...	...	...	...	...	...	...	...	443	2	30
Theory and Practice of Physical Education...	...	...	...	445	3	30	...	...	...	...	...	...
Theory and Practice of Physical Education...	...	...	...	...	...	...	446	3	37	...	...	...
Theory and Practice of Physical Education...	...	...	...	...	...	...	...	...	...	447	3	38
Theory and Practice of Physical Education...	...	...	...	449	3	29	...	...	...	...	...	...
Theory and Practice of Physical Education...	...	...	...	...	...	...	450	3	29	...	...	...
Theory and Practice of Physical Education...	...	...	...	...	...	...	...	...	...	451	3	17
Theory and Practice of Physical Education for High Schools .....	452	3	(1) 20	...	...	...	...	...	...	...	...	...
Therapeutics Gymnastics and Physical Examinations .....	...	...	...	...	...	...	...	...	...	493	3	28
The Teaching of Health.....	...	...	...	...	...	...	...	...	...	643	3	17
Administration of Physical Education for Administrators and Supervisors.....	645	3	(1) 26	...	...	...	...	...	...	649	3	11
Camping* Its Organization and Administration	...	...	...	...	...	...	...	...	...	651	1-4	2
Minor Problems in Physical Education.....	...	...	...	651	1-4	1	651	1-4	4	...	...	...
Organization and Administration of Physical Education .....	...	...	...	...	...	...	682	5	48	...	...	...
History and Principles of Physical Education.	...	...	...	...	...	...	683	5	24	...	...	...
Prevention and Care of Injuries.....	...	...	...	685	3	23	...	...	...	...	...	...
Kinesiology .....	...	...	...	691	3	28	...	...	...	...	...	...
Hygiene and School Health Problems*.....	...	...	...	...	...	...	...	...	...	692	3	66

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Hygiene .....	...	...	...	400	1	280	400	1	311	401	1	164
Hygiene .....	...	...	...	...	...	...	...	...	...	410	3	24
Physical Education .....	...	...	...	421	1	650	...	...	...	...	...	...
Physical Education .....	...	...	...	...	...	...	422	1	540	...	...	...
Physical Education .....	...	...	...	...	...	...	...	...	...	423	1	545
Physical Education .....	...	...	...	425	1	648	...	...	...	...	...	...
Physical Education .....	...	...	...	...	...	...	426	1	551	...	...	...
Physical Education .....	...	...	...	...	...	...	...	...	...	427	1	549
Health Education .....	430	3	(1) 21	...	...	...	...	...	...	...	...	...
Folk Dancing .....	460	2	(1) 20	...	...	...	...	...	...	...	...	...
Elementary Interpretive Dancing .....	464	1	(1) 18	...	...	...	...	...	...	...	...	...

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Team Sports .....	471	2	(1) 25	...	...	...	...	...	...	...	...	...
Principles of Physical Education .....	475	2	(1) 31	...	...	...	...	...	...	...	...	...
Creative Physical Education for Elementary Teachers .....	...	...	...	...	...	...	...	...	...	476	3	39
Play and Playground .....	482	2	(1) 16	...	...	...	...	...	...	...	...	...
Gymnastics .....	492	2	(1) 14	...	...	...	...	...	...	...	...	...
Therapeutic Gymnastics and Physical Examinations .....	...	...	...	...	...	...	...	...	...	493	3	28
Elementary and Intermediate Swimming .....	495	1	1-114 2-30	...	...	...	...	...	...	...	...	...
Advanced Swimming .....	496	1	1-8 2-10	...	...	...	...	...	...	...	...	...
Tennis .....	514	1	1-63 2-18	...	...	...	...	...	...	...	...	...
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Theory and Practice of Physical Education .....	...	...	...	...	...	...	542	3	33	...	...	...
Theory and Practice of Physical Education .....	...	...	...	...	...	...	...	...	...	543	3	27
Theory and Practice of Physical Education .....	...	...	...	545	3	39	...	...	...	...	...	...
Theory and Practice of Physical Education .....	...	...	...	...	...	...	546	3	43	...	...	...
Theory and Practice of Physical Education .....	...	...	...	...	...	...	...	...	...	547	3	33
Theory and Practice of Physical Education .....	...	...	...	549	3	25	...	...	...	...	...	...
Theory and Practice of Physical Education .....	...	...	...	...	...	...	550	3	28	...	...	...
Theory and Practice of Physical Education .....	...	...	...	...	...	...	...	...	...	551	2	24
The Teaching of Health .....	...	...	...	643	3	26	...	...	...	...	...	...
Camping: Its organization and Administration .....	...	...	...	...	...	...	...	...	...	649	3	12
POLITICAL SCIENCE												
American Federal Government .....	401	5	(Q) 37	401	5	250	401	5	187	401	5	198
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American State Government .....	...	...	...	403	5	23	403	5	48	403	5	104
American State Administration .....	...	...	...	...	...	...	...	...	...	604	3	19
Principles of Public Administration .....	605	5	16	...	...	...	...	...	...	...	...	...
Municipal Government .....	...	...	...	607	5	26	...	...	...	607	5	44
Municipal Functions .....	...	...	...	...	...	...	608	3	16	...	...	...
Municipal Problems .....	...	...	...	...	...	...	...	...	...	609	3	3
Introduction to Jurisprudence .....	...	...	...	611	5	47	...	...	...	...	...	...
International Law .....	612	5	(Q) 25	...	...	...	...	...	...	...	...	...
Contemporary International Politics .....	...	...	...	...	...	...	613	5	36	...	...	...
American Constitutional Law .....	616	3	(1) 29	...	...	...	616	3	30	...	...	...
Ancient and Medieval Political Thought .....	...	...	...	621	3	24	...	...	...	...	...	...



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*Political Opinion and Political Processes.....	...	...	...	...	...	634	5	45	...	...	...
Elections and Parties.....	...	...	635	5	32	...	...	...	...	...	...
Honors Course.....	...	...	705	3-5	1	...	...	...	...	...	...
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Honors Course.....	...	...	...	...	...	...	...	...	707	3-5	1
Research in Political Science.....	801	3-5	5	801	3-5	4	...	...	...	...	...
Research in Political Science.....	...	...	...	...	...	...	802	3-5	12	...	...
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Farm Poultry.....	...	...	...	401	5	48	401	5	46	401	5	68
Poultry Breeding and Housing.....	...	...	...	402	5	3	...	...	...	408	5	3
Incubation and Brooding.....	...	...	...	...	...	...	601	5	8	...	...	...
Poultry Nutrition.....	...	...	...	...	...	...	...	...	...	602	5	3
Poultry Farm and Hatchery Management.....	...	...	...	...	...	...	...	...	...	...	...	...
Marketing Poultry Products.....	...	...	603	3	2	...	...	...	...	701	3-15	1
Special Problems in Poultry Husbandry.....	...	...	...	...	...	...	701	3-15	1	801	...	1
Research.....	...	...	...	801	...	1	...	...	...	...	...	...

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EDUCATION

General Industrial Arts Laboratory.....	400	5	(2) 18	400	5	27	...	...	...	...	...	...
Wood and Cabinet Work.....	409	5	(1) 11	...	...	...	...	...	...	...	...	...
Wood and Cabinet Work.....	411	5	(2) 17	...	...	...	411	5	14	...	...	...
Wood and Cabinet Work.....	...	...	...	...	...	...	...	...	...	413	5	21
Installation and Maintenance of School Shop Equipment.....	430	3	(1) 18	...	...	...	430	3	10	...	...	...
Project Design.....	...	...	...	...	...	...	...	...	...	450	3	18
Advanced Project Design.....	452	3	(2) 20	...	...	...	...	...	...	...	...	...
Fundamentals in Guidance.....	470	3	(1) 15	470	3	14	470	3	22	470	3	22
Special Methods in Industrial Arts and Vocational Industrial Education.....	480	3	(1) 21	480	3	10	...	...	...	...	...	...
Shopwork Related to the Farm.....	510	5	(1) 22	...	...	...	510	5	17	...	...	...
Practical Arts Laboratory for Teachers in Elementary Schools.....	541	3	(2) 24	...	...	...	541	3	38	...	...	...
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Occupational Counseling.....	607	2	(1) 20	...	...	...	...	...	...	...	...	...
Subject Matter and Method in the General Industrial Laboratory.....	608	3	(1) 24	...	...	...	608	3	6	...	...	...
Principles of Part-time Education.....	609	2	(1) 3	...	...	...	...	...	...	...	...	...
Occupational Studies in High and Continuation Schools.....	610	3	(2) 23	...	...	...	...	...	...	610	3	8
The Teaching and Supervision of Practical Arts in Elementary School.....	623	3	(2) 10	...	...	...	...	...	...	...	...	...
Administration of Industrial Arts and Vocational Education.....	625	3	(2) 25	...	...	...	...	...	...	625	3	10
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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Minor Problems in Practical Arts and Vocational Education .....	650	1	(1) 56	650	1	8	...	...	...	...	...	...
Minor Problems in Practical Arts and Vocational Education .....	...	...	...	...	...	...	651	1	16	...	...	...
Minor Problems in Practical Arts and Vocational Education .....	652	1	(2) 47	...	...	...	...	...	...	652	1	19
Practical Arts Laboratory for Teachers in Elementary Schools .....	655	3	(1) 5	...	...	...	...	...	...	...	...	...
Principles of Commercial Education .....	660	3	(1) 13	...	...	...	...	...	...	...	...	...
Subject Matter and Methods in Commercial Education .....	663	3	(1) 17	...	...	...	...	...	...	...	...	...
Administration and Supervision of Commercial Education .....	665	3	(1) 9	...	...	...	...	...	...	...	...	...
Occupational Analysis and Organization of Subject Matter in Industrial Arts and Vocational Industrial Education .....	680	3	(2) 25	680	3	5	...	...	...	...	...	...
Scientific studies in the Practical Arts and Vocational Education .....	801	2	(1) 14	801	2	12	...	...	...	...	...	...
Scientific studies in the Practical Arts and Vocational Education .....	802	2	(2) 18	...	...	...	802	2	13	...	...	...
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Principles of Education .....	301	3	1-69 1-27	...	...	...	...	...	...	...	...	...
Principles of Education .....	302	3	1-15	...	...	...	...	...	...	...	...	...
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Teaching of the Social Studies in the Intermediate Grades .....	306	2	(1) 32	...	...	...	...	...	...	...	...	...
Teaching High School Literature .....	340	3	(1) 77	...	...	...	...	...	...	...	...	...
Teaching High School Literature .....	341	3	(2) 46	...	...	...	...	...	...	...	...	...
High School Composition Teaching .....	343	3	(1) 39	...	...	...	...	...	...	...	...	...
Methods and Problems of the Physical Sciences .....	364	2	(1) 16	...	...	...	...	...	...	...	...	...
Methods and Problems of the Physical Sciences .....	365	2	(2) 9	...	...	...	...	...	...	...	...	...
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History Course of Study in Secondary Schools .....	385	3	(2) 29	...	...	...	...	...	...	...	...	...
Principles of Education .....	...	...	...	401	4	133	401	4	95	401	4	289



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Principles and Methods of Secondary School Teaching .....	...	...	...	410	4	158	410	4	125	410	4	108
Principles and Methods of Elementary School Teaching .....	...	...	...	...	...	...	...	...	...	430	5	33
Supervised Teaching in Secondary Schools .....	...	...	...	440	7	166	...	...	...	440	7	182
Supervised Teaching in Elementary School .....	...	...	...	...	...	...	...	...	...	441	10	33
Teaching Nature Study and Science in the Elementary School .....	473	3	(2) 23	...	...	...	...	...	...	...	...	...
Teaching the Social Studies in the Primary Grades .....	489	3	(2) 15	...	...	...	...	...	...	...	...	...
Teaching of Arithmetic in Elementary Schools .....	...	...	...	492	3	29	...	...	...	...	...	...
Teaching the English Studies in Elementary School .....	493	3	(1) 67	...	...	...	493	3	35	...	...	...
Teaching the Social Studies in the Intermediate Grades .....	...	...	...	...	...	...	494	3	13	...	...	...
Teaching the Primary Grades .....	495	3	1-42 1-20	495	3	9	...	...	...	...	...	...
Teaching the Social Studies in the Primary Grades .....	...	...	...	496	3	10	...	...	...	...	...	...
Teaching Children's Literature .....	499	3	(1) 57	499	3	36	...	...	...	...	...	...
Moral Ideals in Education .....	601	3	1-12 2-21	...	...	...	...	...	...	...	...	...
Cultural and Vocational Ideals in Education .....	605	3	(2) 26	...	...	...	...	...	...	...	...	...
Problems of Junior High School Teaching .....	...	...	...	...	...	...	606	3	17	...	...	...
Supervision of Teaching in Secondary Schools .....	610	3	1-34 2-19	...	...	...	...	...	...	...	...	...
Supervision of Elementary School Teaching .....	613	3	(2) 26	...	...	...	...	...	...	613	3	11
Curriculum Construction in Elementary Education .....	614	3	(1) 31	...	...	...	...	...	...	...	...	...
Experimental Elementary Schools .....	615	3	(2) 22	615	3	12	...	...	...	...	...	...
Conceptions of Mind in Educational Theory .....	620	3	(1) 98	620	3	69	...	...	...	...	...	...
Directed Observation of Elementary Teaching Practicum in Elementary Education .....	623	1	1-110 2-23	...	...	...	623	1	11	...	...	...
Problems of Curriculum Construction in Secondary Education .....	625	3	(1) 22	624	2	31	624	2	5	624	2	26
Supervision of Student Teaching in Elementary Schools .....	633	3	(1) 11	...	...	...	...	...	...	...	...	...
Professionalized Subject Matter Courses in Teacher Training Institutions .....	634	3	8	...	...	...	...	...	...	...	...	...
Modern Tendencies in Education .....	640	3	(2) 102	...	...	...	...	...	...	640	3	87
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Minor Problems .....	...	...	...	651	1-4	46	651	1-4	23	651	1-4	19
Problems and Methods of the Natural Sciences .....	...	...	...	660	4	8	...	...	...	...	...	...
Problems and Methods of the Natural Sciences .....	...	...	...	...	...	...	...	...	...	661	4	5
Teaching High School Literature .....	...	...	...	662	5	35	662	5	34	662	5	34
Organizing History for the Classroom .....	...	...	...	663	5	24	...	...	...	663	5	49

[illegible]



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The Teaching and Supervision of English in the Secondary Schools .....	843	3	(2) 14	...	...	...	...	...	...	...	...	...
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College Teaching .....	860	3	(1) 7	...	...	...	...	...	...	...	...	...
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Elementary Psychology .....	402	5	Q-81	402	5	310	402	5	328	402	5	313
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Educational Psychology .....	407	5	1-39 2-46 (Q-50)	407	5	213	407	5	206	407	5	212
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Experimental Psychology .....	...	...	...	601	3	32	...	...	...	...	...	...
Experimental Psychology .....	...	...	...	...	...	...	602	3	16	...	...	...
Experimental Psychology .....	...	...	...	...	...	...	...	...	...	603	3	13
Physiological Psychology .....	...	...	...	605	3	47	...	...	...	...	...	...
Advanced Physiological Psychology .....	...	...	...	...	...	...	606	3	15	...	...	...
Genetic Psychology .....	607	5	(1) 30	...	...	...	...	...	...	607	5	65
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The Mentally Deficient Child .....	611	3	(1) 25	611	3	62	...	...	...	...	...	...
Educational Statistics: Intermediate .....	...	...	...	...	...	...	612	3	8	...	...	...
Mental and Educational Tests .....	613	3	(1) 25	...	...	...	613	3	15	...	...	...
Laboratory in Tests and Educational Diagnosis .....	...	...	...	...	...	...	...	...	...	615	3	15
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Advanced Binet Testing .....	...	...	...	...	...	...	617	2	24	...	...	...
Clinical Tests .....	618	2	(Q) 9	618	2	27	...	...	...	618	2	31
Psychological Clinic .....	...	...	...	619	2-4	9	619	2-4	11	619	2-4	15
Advanced Psychological Clinic .....	620	2	(Q) 6	620	2	6	620	2	3	620	3	4
Social Psychology .....	621	3	(2) 54	...	...	...	621	3	66	...	...	...
The Psychology of the Delinquent Child .....	622	3	(1) 67	...	...	...	622	3	31	...	...	...
The Learning Process .....	623	3	(2) 18	...	...	...	...	...	...	623	3	19
Advanced Psychology .....	629	5	14	629	5	25	...	...	...	...	...	...
Psychology of Feeling and Emotion .....	...	...	...	...	...	...	630	5	24	...	...	...
Theory of Intelligence .....	631	3	(1) 17	...	...	...	...	...	...	...	...	...
Criminal and Legal Psychology .....	...	...	...	...	...	...	634	5	54	...	...	...
Psychology of Advertising .....	...	...	...	635	3	52	...	...	...	635	3	73
Advertising Psychology Laboratory .....	...	...	...	...	...	...	636	3	8	...	...	...
Industrial Psychology .....	...	...	...	637	3	54	...	...	...	...	...	...
Industrial and Vocational Psychology Laboratory .....	...	...	...	...	...	...	...	...	...	638	3	7

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Psychology and Personnel.....	...	...	...	...	...	...	639	3	42	...	...	...
Educational and Vocational Guidance.....	...	...	...	...	...	...	640	3	16	...	...	...
Abnormal Psychology .....	...	...	...	...	...	...	641	5	73	...	...	...
Abnormal Psychology .....	...	...	...	...	...	...	...	...	...	642	1	79
Human Motives and Incentives.....	...	...	...	...	...	...	...	...	...	644	3	25
History of Psychology.....	...	...	...	645	5	21	...	...	...	...	...	...
Minor Problems .....	650	1	1-7 2-12 (Q) 24 (2) 16	650	1	23	650	1	41	650	1	44
Psychology of High School Subjects.....	652	3	...	...	...	...	...	...	...	652	3	16
Advanced Statistics .....	...	...	...	...	...	...	...	...	...	654	3	6
Comparative Psychology .....	...	...	...	655	5	12	...	...	...	...	...	...
Comparative Psychology .....	...	...	...	...	...	...	...	...	...	656	3	8
Comparative Psychology Laboratory .....	...	...	...	657	3	3	...	...	...	...	...	...
University Personnel Psychology .....	...	...	...	659	3	6	...	...	...	...	...	...
The Elementary and Pre-School Child.....	662	3	(1) 50	...	...	...	662	3	22	...	...	...
Psychological Problems of Deans of Women...	665	3	(1) 15	...	...	...	...	...	...	...	...	...
Research Problems of the Dean of Women...	...	...	...	674	1	6	674	1	3	674	1	8
Proseminary in Educational Psychology.....	...	...	...	701	2	11	...	...	...	...	...	...
Major Research .....	801	3	1-3 2-10 (Q) 38 (Q) 6	801	3	64	801	3	67	801	3	60
Seminary in Experimental Psychology.....	802	2	...	802	2	11	802	2	11	802	2	9
Seminary in Educational Psychology.....	...	...	...	...	...	...	803	2	8	...	...	...
Contemporary Psychological Literature.....	...	...	...	805	1	18	805	1	14	805	1	15
Seminary in Abnormal Psychology.....	...	...	...	...	...	...	806	2	4	...	...	...
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Methods of Sociological Investigation.....	...	...	...	845	4	13	...	...	...	...	...	...
Methods of Sociological Investigation.....	...	...	...	...	...	...	846	4	13	...	...	...
Research in Penology.....	...	...	...	847	1-4	4	...	...	...	...	...	...
Research in Penology.....	...	...	...	...	...	...	848	1-4	3	...	...	...
Research in Penology.....	...	...	...	...	...	...	...	...	...	849	1-4	4
Research in Rural Social Institutions.....	...	...	...	...	...	...	851	1-4	1	...	...	...
Research in Rural Social Institutions.....	...	...	...	...	...	...	...	...	...	852	1-4	1



SOILS									
Soil Management .....	401	5	25	401	5	39	401	5	27
Soils for Agricultural Teachers .....	405	3	17	...	...	...	...	...	...
Theory and Practice of Soil Management .....	601	3	10	...	...	...	...	...	...
Chemical Methods Used in Soils Investigations .....	602	5	7	...	...	...	...	...	...
Origin and Classification of Soils .....	...	...	...	...	...	...	603	3	8
Physico-Chemical Analysis of Soils .....	...	...	...	604	5	5	...	...	...
Bio-Chemical Analysis of Soils .....	...	...	...	605	5	5	...	...	...
Research in Soils .....	801	5	7	801	5	6	801	5	5
Soil Seminary .....	802	1	10	802	1	8	802	1	4
SURGERY									
Minor Surgery .....	601	3	69	...	...	...	...	...	...
General Surgery .....	602	5	75	603	5	75	604	5	75
Gynecology .....	...	...	...	...	...	...	605	3	75
Orthopedic Surgery .....	...	...	...	606	1	78	...	...	...
Conference Clinics .....	607	1	78	608	1	78	609	1	78
Operative Surgery .....	610	1	78	...	...	...	...	...	...
SURVEY COURSES									
Survey of Agriculture .....	...	3	166	...	...	...	...	...	...
Survey of Arts .....	...	...	...	501	5	11	...	...	...
Survey of Arts .....	605	5	91	605	5	60	...	...	...
Survey of Arts .....	608	5	94	608	5	91	...	...	...
Introductory Survey in Education .....	401	1	382	...	...	...	...	...	...
Survey of Education .....	801	...	9	...	...	...	...	...	...
Survey of Higher Education for College Teachers .....	801	2	10	...	...	...	...	...	...
Survey of Higher Education for College Teachers .....	...	...	...	802	2	8	802	2	8
Elements of Engineering .....	...	3	515	...	3	507	...	3	429
VETERINARY MEDICINE									
Topographic Anatomy of Domestic Animals .....	404	5	37	...	...	...	...	...	...
Topographic Anatomy of Domestic Animals .....	...	...	...	405	5	35	...	...	...
Applied Anatomy of Domestic Animals .....	...	...	...	407	3	33	...	...	...
Anatomy of the Horse—Part .....	410	5	47	410	5	4	...	...	...
Anatomy of the Horse .....	...	...	...	411	5	47	...	...	...
Anatomy of the Horse .....	...	...	...	...	...	...	412	5	46
General Pathology .....	...	...	...	...	...	...	421	5	33
Special Pathology .....	...	...	...	423	4	34	...	...	...
Special Pathology .....	...	...	...	...	...	...	424	4	35
Special Pathology of Infectious Diseases .....	426	5	30	...	...	...	...	...	...
Meat Inspection .....	...	...	...	427	3	32	...	...	...
Parasitology .....	428	4	36	428	4	32	...	...	...
Post Mortem and Laboratory Diagnosis .....	430	1	32	...	...	...	...	...	...
Post Mortem and Laboratory Diagnosis .....	...	...	...	431	1	34	...	...	...
Post Mortem and Laboratory Diagnosis .....	...	...	...	...	...	...	432	1	36
Post Mortem and Laboratory Diagnosis .....	433	1	30	...	...	...	...	...	...
Post Mortem and Laboratory Diagnosis .....	...	...	...	434	1	32	...	...	...
Post Mortem and Laboratory Diagnosis .....	...	...	...	...	...	...	435	1	30
Histology and Embryology of the Domesticated Animals .....	...	...	...	436	5	46	...	...	...

## THE WORK OF INSTRUCTORS—1930-1931—Continued

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Histology and Embryology of the Domesticated Animals .....	...	...	...	...	...	...	...	...	...	437	5	45
Sporadic Diseases of Large Animals .....	...	...	...	...	...	...	441	4	39	...	...	...
Sporadic Diseases of Large Animals .....	...	...	...	442	4	1	...	...	...	...	...	...
Infectious Diseases of Large Animals .....	...	...	...	...	...	...	443	4	30	...	...	...
Infectious Diseases of Large Animals .....	...	...	...	...	...	...	...	...	...	444	4	31
Agricultural Veterinary Medicine .....	...	...	...	451	3	5	...	...	...	...	...	...
Agricultural Veterinary Medicine .....	...	...	...	...	...	...	452	3	24	...	...	...
Agricultural Veterinary Medicine .....	...	...	...	...	...	...	...	...	...	453	3	9
Materia Medica and Therapeutics .....	...	...	...	...	...	...	461	4	34	...	...	...
Materia Medica and Therapeutics .....	...	...	...	...	...	...	...	...	...	462	4	32
Diseases of Small Animals .....	...	...	...	463	3	34	...	...	...	...	...	...
Diseases of Small Animals .....	...	...	...	...	...	...	464	3	36	...	...	...
Medical and Surgical Clinics .....	...	...	...	467	3	31	...	...	...	...	...	...
Medical and Surgical Clinics .....	...	...	...	...	...	...	468	3	34	...	...	...
Medical and Surgical Clinics .....	...	...	...	...	...	...	...	...	...	469	3	37
Physical Diagnosis .....	...	...	...	473	3	32	...	...	...	...	...	...
Special Surgery .....	...	...	...	474	4	30	...	...	...	...	...	...
Special Surgery .....	...	...	...	...	...	...	475	4	31	...	...	...
Special Surgery .....	...	...	...	...	...	...	...	...	...	476	4	31
Hygiene and Sanitation .....	...	...	...	...	...	...	...	...	...	479	3	30
Diseases of Poultry .....	...	...	...	...	...	...	...	...	...	481	3	33
General Surgery .....	...	...	...	482	4	31	...	...	...	...	...	...
General Surgery .....	...	...	...	...	...	...	483	4	30	...	...	...
Veterinary Medical Jurisprudence .....	...	...	...	...	...	...	...	...	...	485	1	31
Breeding Problems .....	...	...	...	550	1	30	...	...	...	...	...	...
Breeding Problems .....	...	...	...	...	...	...	551	1	31	...	...	...
Breeding Problems .....	...	...	...	...	...	...	...	...	...	552	1	31
Obstetrics .....	...	...	...	...	...	...	...	...	...	555	4	65
Medical and Surgical Clinics .....	...	...	...	570	3	29	...	...	...	...	...	...
Medical and Surgical Clinics .....	...	...	...	...	...	...	571	3	31	...	...	...
Medical and Surgical Clinics .....	...	...	...	...	...	...	...	...	...	572	3	31
Operative Practice .....	...	...	...	577	1	30	...	...	...	...	...	...
Operative Practice .....	...	...	...	...	...	...	578	1	31	...	...	...
Pathology Technique .....	...	...	...	621	2-5	1	621	2-5	2	621	2-5	3
Advanced Special Pathology .....	...	...	...	...	...	...	...	...	...	622	2-5	1
Parasitology Technique .....	...	...	...	623	2-5	6	623	2-5	2	623	2-5	2
Special Bovine Pathology .....	...	...	...	823	5	1	823	5	...	823	5	1
Special Poultry Pathology .....	...	...	...	825	5	2	825	5	...	825	5	1
Special Parasitology Problems .....	...	...	...	...	...	...	826	5	...	826	5	1



Research in Special Problems in Veterinary Anatomy .....	...	...	...	...	...	...	827	3-5	2	827	3-5	1
Research Problems in Veterinary Medicine...	...	...	...	829	5	1	829	5	2	829	5	2
ZOOLOGY AND ENTOMOLOGY												
Natural Science for Elementary Teachers...	400	3	(1) 6	...	...	...	...	...	...	...	...	...
General Zoology .....	401	5	(Q) 51	401	5	647	401	5	304	401	5	237
General Zoology .....	402	5	(Q) 22	402	5	167	402	5	519	402	5	291
General Principles of Heredity .....	403	5	(Q) 29	403	5	83	...	...	...	403	5	160
Elementary Zoology for Pre-Medical Students	...	...	...	...	...	...	...	...	...	411	5	56
Economic Entomology .....	451	5	(Q) 16	451	5	30	...	...	...	451	5	74
Economic Entomology .....	...	...	...	...	...	...	452	5	8	...	...	...
Apiculture .....	453	5	(Q) 6	...	...	...	...	...	...	453	5	5
Animal Parasites .....	...	...	...	...	...	...	504	5	23	...	...	...
Evolution .....	...	...	...	...	...	...	509	5	45	509	5	60
Advanced Studies in Animal Heredity .....	...	...	...	601	3	11	...	...	...	601	3	8
Animal Behavior .....	605	3	10	605	3	4	...	...	...	...	...	...
Animal Behavior .....	...	...	...	...	...	...	606	3	9	...	...	...
Animal Microtechnic .....	...	...	...	...	...	...	...	...	...	609	3-5	9
Advanced Zoology of Invertebrates .....	...	...	...	615	5	26	...	...	...	...	...	...
Advanced Zoology of Invertebrates .....	...	...	...	...	...	...	616	5	22	...	...	...
Cellular Biology .....	...	...	...	...	...	...	...	...	...	617	5	16
Advanced Entomology .....	651	5	(Q) 3	651	5	14	...	...	...	...	...	...
Advanced Entomology .....	...	...	...	...	...	...	652	5	15	...	...	...
Insect Control .....	...	...	...	653	5	10	...	...	...	...	...	...
Insect Control .....	...	...	...	...	...	...	...	...	...	654	5	10
Medical and Veterinary Entomology .....	655	5	(Q) 13	...	...	...	655	5	17	...	...	...
Entomological Literature and Principles of Taxonomy .....	...	...	...	...	...	...	660	5	13	...	...	...
Special Problems .....	700	3-5	(Q) 22	...	...	...	...	...	...	...	...	...
Special Problems .....	...	...	...	701	3-5	24	701	3-5	36	701	3-5	51
Seminary in Zoology .....	...	...	...	801	1	40	...	...	...	...	...	...
Seminary in Zoology and Entomology .....	...	...	...	...	...	...	802	1	48	...	...	...
Seminary in Zoology and Entomology .....	...	...	...	...	...	...	...	...	...	803	1	32
Invertebrate Zoology .....	...	...	...	805	5	6	...	...	...	...	...	...
Invertebrate Zoology .....	...	...	...	...	...	...	806	5	7	...	...	...
Invertebrate Zoology .....	...	...	...	...	...	...	...	...	...	807	5	4
Research .....	810	3-10	15	...	...	...	...	...	...	...	...	...
Research .....	...	...	...	811	3-10	27	...	...	...	...	...	...
Research .....	...	...	...	...	...	...	812	3-10	36	...	...	...
Research .....	...	...	...	...	...	...	...	...	...	813	3-10	32
Biological Control of Insects .....	...	...	...	814	5	7	...	...	...	...	...	...
Biological Control of Insects .....	...	...	...	...	...	...	815	5	10	...	...	...
Biological Control of Insects .....	...	...	...	...	...	...	...	...	...	816	5	11
Morphology and Development of Insects .....	...	...	...	817	5	11	...	...	...	...	...	...

## APPENDIX VI

\* SHOWING THE WHOLE NUMBER OF DEGREES IN COURSE CONFERRED SINCE THE FOUNDING OF THE UNIVERSITY

[illegible]



## APPENDIX VI—Concluded

[illegible]

\* Statistics given prior to 1904 covered only the degrees granted at the Commencement.

## APPENDIX VII

## DEGREES AND CERTIFICATES GRANTED DURING YEAR 1930-1931

## AUGUST CONVOCATION

## GRADUATE SCHOOL

Acting Dean: FREDERICK E. LUMLEY

## DOCTOR OF PHILOSOPHY

Alma Bernice Ackley, B.A., M.S. (University of Michigan).....	Stockbridge, Mich.
Oscar Fischer Boyd, B.A., B.Sc. in Agr., M.Sc.....	Wilmington
Willis Judson Burner, B.S. (Butler University); A.M. (University of Missouri).....	Columbus
Delmer Leroy Cottle, A.B. (Marietta College); M.Sc.....	Marietta
Frank Cutshaw Croxton, B.A., M.A.....	Columbus
Donald Hayes Daugherty, B.A. (Muskingum College); M.A.....	Columbus
Robert Wentz Edmiston, A.B. (Miami University); M.A.....	Columbus
William Alfred Everhart, A.B. (Miami University); M.S. (Lehigh University).....	Granville
Paul Johnson Fay, B.Sc. in Edu.; A.M. (Columbia University).....	Columbus
Paul Eldon Fields, B.A., M.A. (Ohio Wesleyan University).....	Columbus
Edward Jerome Finan, B.E.E. (University of Dayton); M.A.....	Columbus
Charles Alfred Ford, B. Sc. in Soc. Adm., M.A.....	Columbus
James Alexander Funkhouser, B.S. in Chem. (Carnegie Institute of Technology).....	Columbus
Robert Miller Geist, A.B. (Capital University); M.Sc.....	Columbus
Roy Nathan Giles, B.Sc. in Chem. Engr. (South Dakota State School of Mines); M.Sc.....	Columbus
Kai Jensen, B.A., M.A. (University of Washington).....	Seattle, Wash.
Jaroslav Jan Kucera.....	Prosec, Czechoslovakia
Maurice Carson Latta, B.A. (Simpson College); M.A. (State University of Iowa).....	Logan, Ia.
Austin Franklin Lehmann, A.B. (Bluffton College); M.Sc.....	Bluffton
Chieh Ma, B.A., M.Sc.....	Honan, China
William Gottlieb Meinke, B.S. in Edu. (Ohio University); M.A.....	Defiance
Warner Jay Merrill, B.S. (Carnegie Institute of Technology); M.Sc.....	Andover
Festus Lazelle Minnear, B.S. (Muskingum College); M.S. (University of Pennsylvania).....	Columbus
Charles Stephen Morris, A.B. (Manchester College); M.A.....	North Manchester, Ind.
George Rex Mursell, B. of Soc.Sc. (Boston University); M.A.....	Columbus
Garrett Stewart Nease, A.B., B. Mus. (Otterbein College); M.A.....	Westerville
David Stanley Prosser, B.A., M.A.....	Columbus
Karl Dustin Reyer, B.Sc. in Bus. Adm., M.A.....	Springfield
Weems Aurelius Saucier, A.B., A.M. (University of Kentucky).....	Upland, Ind.
Helen Florence Schick, B.A., M.A.....	Columbus
Clyde Quitman Sheely, B.A. (Mississippi College); M.S. (Louisiana State University).....	
.....	Pelahatchie, Miss.
Joseph John Spengler, B.A., M.A.....	Columbus
Whitney Bowman Stout, B.Sc. in Agr., M.Sc.....	Columbus
William Hertzog Thompson, B.A. (University of Omaha); M.A. (University of Nebraska).....	
.....	Columbus
Hiram Frederick Thut, A.B. (Bluffton College); M.A.....	Lima
Brian Earle Tomlinson, B.Sc. in Edu. (Kansas State Teachers College of Emporia); M.A.....	
.....	Grenola, Kan.
William Frederick Underwood, B.Ch.E., M.Sc.....	Mt. Victory
Thomas Howard Winters, B.A. (Ohio Wesleyan University); M.A.....	Columbus
Paul McCoy Wright, B.S. (Wheaton College); M.Sc.....	Wheaton, Ill.
Wei Yang, B.A., M.Sc.....	Shensi, China

(Forty candidates)

## MASTER OF ARTS

Edward Morgan Alkire, B.A.....	Columbus
Harry Arnott Appler, B.Sc. in Edu.....	Youngstown



Arthur Dale Askins, B.Sc. in Edu.	Sparta
Everett Augspurger, B.S. in Edu. (Miami University)	Hamilton
Henry Hewetson Ault, B.A. (Muskingum College)	Warnock
Philip Edward Baird, B.S. in Edu. (Kent State College)	Cuyahoga Falls
Frank John Banning, A.B. (Hiram College)	Kinsman
Paul Emmanuel Bierstedt, A.B. (Capital University)	Columbus
Melvin Russell Bixler, A.B. (Mount Union College)	North Canton
Harold Longman Boda, A.B. (Otterbein College)	Dayton
Cloyce Eugene Booher, A.B. (Defiance College)	Napoleon
Donald Whitney Bowman, A.B. (Mount Union College)	Alliance
Pauline Temperance Bryant, B.Sc. in Edu.	Columbus
Horatio Milo Bugby, A.B. (Oberlin College)	Kingsville
Orin Everett Burley, B.S. in Com. (Oklahoma Agricultural and Mechanical College)	Auburn, Ala.
Anna Agnes Cawley, A.B. (West Virginia University)	Sistersville, W. Va.
Gerald Howard Chapman, B.S. in Edu. (Kent State Normal)	Kent
Vera Morris Chapman, B.S. (Kent State College)	Youngstown
Edgar Holmes Coberly, B.A. (Davis and Elkins College)	Elkins, W. Va.
Jacob Cohen, B.A.	Steuenville
Hibbert Dell Corey, A.B. in Edu. (University of Michigan)	Williamsburg, Va.
Otis Odell Crawford, B.A. (Ohio Wesleyan University)	St. Clairsville
Leland Elias DePriest, B.Sc. in Agr.	Dayton
James Monette Diley, B.Sc. (Ohio Northern University)	Dublin
Grant Harrison Donaldson, A.B. (Hiram College)	Brady Lake
Lyell Vernon Douthat, A.B. (Marshall College)	Huntington, W. Va.
Thomas Ireland Duncan, B.A. (University of Michigan)	Findlay
Donald William Dunipace, B.A.	Columbus
Bernard Marcellus Durbin, B.Sc. in Agr.	New Riegel
Pearl Faulkner Eddy, A.B. (Meredith College)	Columbus
Charles Flavius Edwards, B.A.	Greenfield
Amos R. Eikenberry, B.S. (University of Illinois)	North Manchester, Ind.
Royal Burdick Embree, Jr. B.A. (Washington and Lee University)	Buena Vista, Va.
Elmer Friedrich Ende, B.Mus. (American Conservatory of Music)	Columbus
Cecil Roscoe Enoch, A.B. (Wittenberg College)	Lancaster
Lydia Jeane Ewing, B.A. (Ohio Wesleyan University)	Cambridge
Clyde Emerson Feuchter, A.B. (Baldwin-Wallace College)	Valley City
Margaret Fitzwater, B.A. (Ohio Wesleyan University)	Columbus
Agnes Fowler, A.B. (Miami University)	Youngstown
Byron Lester Fox, B.A., B.Sc. in Edu.	Columbus
Ina McCall Fox, B.A.	Columbus
Robert Kriegbaum Fox, B.A.	Columbus
Harry V. Frankfather, B.S. in Edu. (Bowling Green State Normal College)	McClure
Philip Quillman Freeman, B.S. (Heidelberg College)	Bellefontaine
James Edward Frew, B.Sc. in Agr.	Logan
Homer Francis Gant, B.S. in Edu. (Muskingum College)	Whigville
Glen Leiby Ganyard, B.A. (Hiram College)	Bay Village
Clark Peter Garman, B.A. (Western Reserve University)	Columbus
Ralph Merrill Garrison, B.S. in Edu. (Ohio University)	Bellville
Mary Lucille Geist, B.Sc. in Edu.	Columbus
Ralph Henry Getz, B.S. in Edu. (Ohio Northern University)	Girard
Paul Burdette Green, A.B. (Colgate University)	Granville
Frances Jessamine Hall, A.B. (Western College for Women)	Marietta
Paul Joseph Harris, A.B. (Otterbein College)	Columbus
Virginia Riddle Hathaway, A.B. (Ohio University)	Athens
Albert Heil, A.B. (Capital University)	Columbus
Carl A. Higley, A.B. (Marietta College)	New Lexington
Ralph Horn, A.B. (Ashland College)	Columbus
Lawrence Henry Hout, B.S. in Edu. (Ohio Northern University)	Upper Sandusky
Sydney Evelyn Hughes, A.B. in Edu. (Howard University)	Washington, D. C.
William Clarence Hunnicutt, A.B. (Ohio University)	Zanesville
Wilbur Clay Hushour, A. B. (Baldwin-Wallace College)	Wooster
Herbert Howard Hutchinson, B.Sc. in Edu.	Columbus
Chester Smith Hutchison, B.Sc. in Agr.	Ashville



Clark Lyman Jackson, B.S. (South Dakota State College of Agriculture and Mechanic Arts)	Emporia, Kan.
John William Jones, A.B. (Park College); B.S. in Edu. (Ohio University)	Columbus
Edgar Boice Kellar, A.B. (Marietta College)	Marietta
Edith Jane Kenestrick, B.Sc. in Edu.	Plymouth
Freda Mae Kennard, B.Sc. in Edu.	Columbus
Frances Carol Kirkpatrick, B.A., B.Sc. in Jour.	Columbus
Gladys Virginia Kirsch, B.A. (Ohio Wesleyan University)	Parkersburg, W. Va.
John Joseph Kleinfelter, A.B. (Heidelberg College)	Rosford
Ruth Florence Knopf, B.A., B.Sc. in Edu.	Columbus
Frederic Jacques Kramer, B.S. in Edu. (Miami University)	Batavia
Samuel Aaron Kramer, B.S. in Edu. (Temple University)	Philadelphia, Pa.
Harry Earl Kuntz, B.A. (North-Western College); B.D. (Evangelical Theological Seminary)	Akron
John Ohlinger Lang, A.B. (Capital University)	Columbus
Mary Margaret Leonard, A.B. (Marietta College)	Williamstown, W. Va.
William Henry Lewis, B.A. (Wilberforce University)	Wilberforce
Howard Gordon Lindemann, Ph.B. (Denison University)	Newark
Edith Anna Longbon, Ph.B. (Denison University)	Berea
Raymond Lewis Lorton, A.B. (Oberlin College)	Archbold
Oakman Hess Lowary, A.B. (Cornell University)	Youngstown
John DeWalt Macklin, B.Sc. in Agr.	Circleville
Debora May MacNeilan, B.A., B.Sc. in Edu.	Columbus
Lewis Frederick Mayer, B.A. (The College of Wooster)	Rocky River
Edward Earl McClellan, B.Sc. in Edu., A.B. (Miami University)	Germantown
William James Flournoy Meredith, B.A. (Fisk University)	Cleveland
Homer Earl Mikesell, A.B. (Ohio Northern University)	New Madison
Joseph Randolph Miller, B.S. (Otterbein College)	Huntington, W. Va.
Laud Francis Miller, B.S. in Edu. (Ohio University)	Athens
Margaret Elizabeth Monroe, B.Sc. in Edu.	Lockland
Wilbert Swan Moore, B. S. (Mount Union College)	East Liverpool
Helen Lucile Morley, B.A. (The College of Wooster)	Ashtabula
William Herbert Morris, B.S. in Edu. (Ohio University)	Dexter City
Herbert Eugene Muntz, B.A.	Columbus
Robert Henry Nesbitt, B.A. (Muskingum College)	New Concord
Edgar Burkhardt Nixon, A.B. (Miami University)	New Philadelphia
Reinhold Louis William Nordsieck, A.B. (Butler University)	Indianapolis, Ind.
William Felbert Nowlin, A.B. (Howard University)	Elkhorn, W. Va.
Wilbur Edward Orcutt, B.S. (The College of Wooster)	Marion
Ward Herald Overholt, B.S. in Edu. (Kent State College)	Columbus
Maude Belle Owings, A.B. (Otterbein College)	Centerburg
Mildred Owings, A.B. (Defiance College)	Centerburg
Harry Elmer Peck, A.B. (Hiram College)	Geneva
Henry H. Pfarr, B.S. (Stephen F. Austin State Teachers College)	Rusk, Tex.
Conwell James Poling, A.B. (Ohio Northern University)	Roundhead
Earl Clair Powell, B.Sc. in Edu.	Bowling Green
Don Davenport Prosser, Ph.B. (University of Chicago)	Hamilton
Paul Rees Rainey, B.A.	Georgetown
Mildred Robinson, B.S. (George Peabody College for Teachers)	Quaker City
Charles Chester Romaker, A.B. (Defiance College)	Lima
Florence Deborah Rosencrans, B.Edu. (Western Reserve University)	Cleveland
Gerald Alzo Rosselot, A.B. (Otterbein College)	Westerville
Anna Lois Saum, B.S. in Edu. (Ohio University)	Athens
Allen Joseph Schneider, B.A. (The College of Wooster)	North Canton
Matilda Bernice Sergeant, B.A. (Wellesley College)	Isleta
Arthur Benton Shaffer, A.B. (Wittenberg College)	Springfield
George William Shegog, B.S. in Edu. (Ohio University)	Lore City
Omer Earl Sibert, A.B. (Ashland College)	Smithville
Carl Lewis Smith, B.Sc. in Bus. Adm.	Elyria
Charles Leonard Smith, B.A. (Ohio Wesleyan University)	Columbus Grove
Della Fern Smith, A.B. (Defiance College)	Defiance
Gerald Burrell Snedeker, B.A., B.Sc. in Edu.	Columbus
Gertrude Nevison Stanley, B.Sc. in Edu.	Columbus



Harry Omar Stout, B.Sc. in Agr.....	Bowling Green
Esther Marguerita Stabbs, B.A.....	Columbus
Karl Otto Suessenguth, B.A.....	Columbus
Lloyd Martin Swan, B.S. (Mount Union College).....	East Liverpool
Carl Vernet Thompson, A.B. (Ohio University).....	Youngstown
Maurice Emanuel Troyer, A.B. (Bluffton College).....	Princeton, Ill.
Gertrude Margaret Walsh, B.A.....	Columbus
Mack Platter Watts, B.A. (Ohio Wesleyan University).....	Canton
Paul Geiger Wenger, A.B. (Bluffton College).....	Mt. Vernon
Clyde Wayland White, B.A.....	Hamilton
Constance Helen Whiteside, A.B. (University of Cincinnati).....	Cincinnati
Frank Joseph Wiess, B.Sc. in Edu.....	Cleveland
Miriam Lucille Wolgamott, B.S. (The College of Wooster).....	Wooster
Wilbur Spicer Wood, A.B. (Otterbein College).....	Wakeman
Cora Fern Worrel, B.Sc. in Edu.....	Columbus

(One hundred and forty candidates)

## MASTER OF SCIENCE

David William Armstrong, B.S. (Mount Union College).....	Youngstown
Harmon Jackson Bailey, B.S. in Edu. (Northeast Missouri State Teachers College).....	Kirksville, Mo.
Ralph Ernest Clarridge, B.E. Physics.....	Columbus
Arthur Charles Cole, Jr., B.A.....	Columbus
George Richard Constien, B.A. (Ohio Wesleyan University).....	Findlay
Jack Chilton Cotton, B.A. (Maryville College).....	New Waterford
Irvin Harold Curie, B.S. (The College of Wooster).....	Wooster
Raymond Lewis Dennison, B.Sc. in Agr. (West Virginia University).....	Wallace, W. Va.
Frank James Dickerson, B.Arch., B.Arch.E.....	Columbus
Tod B. Galloway Dixon, B.Ch.E.....	Columbus
Jonathan Taylor Frost, B.Sc. in Agr.....	Dresden
Gerald Smith Harshfield, D.V.M.....	East Liberty
Aubrey Mac Lee, D.V.M. (Kansas State Agricultural College).....	Laramie, Wyo.
Liang Ching Li, B.S. (Nankai University).....	Peking, China
Helen Marie Manahan, B.Sc. in Edu.....	Dayton
Bryce Robbins McCrory, D.V.M. (State Agricultural College of Colorado).....	Okmulgee, Okla.
Marian Valora Antoinette McIlhenny, B.A.....	Dayton
Hubert Montagnac.....	Montlaurum Lot, France
Mary Winifred O'Connor, B.A., B.S. in E. (College of St. Mary's of the Springs).....	Columbus
Richard Karl Oswald, A.B. (Findlay College).....	North Baltimore
Aaron J. Pancake, B.Sc. in Agr.....	Columbus
L. A. Parker, B.S. in Engr. Chem. (Georgia School of Technology).....	Cordele, Ga.
John Clarence Pew, B.Ch.E.....	Cleveland
Ralph George Rohner, B.A.....	Columbus
Floyd James Ruble, B.Sc. in Agr.....	Grove City
John Frederick Schacht, B.S. (Capital University).....	Canal Winchester
Howard Perry Simons, B.A.....	Columbus
Chia Yu Sun, B.A. (University of China).....	Tientsin, China
Thomas Clogg Surrarer, B.S. (Baldwin-Wallace College).....	Berea
Harry Levi Webster, B.S. in Agr. (University of Illinois).....	Bloomington, Ill.
Dorothy Jane Woodland, B.S. (The College of Wooster).....	Warren

(Thirty-one candidates)

## CANDIDATES FOR TWO DEGREES

Bonnie Consuelo Ruff.....	Ashville
Bachelor of Arts	
Bachelor of Science in Education	

(One candidate)

**COLLEGE OF AGRICULTURE**  
Acting Dean: DR. CARL WARREN GAY

**BACHELOR OF SCIENCE  
IN AGRICULTURE**

Hugh Wilkinson Cochran.....	Hamilton
Harold Dean Faylor.....	Suffield
Frank Gordon.....	Columbus
Ervin Merritt Herrick.....	Twinsburg
Frank Granville Peairs.....	Chandlersville
Carl Evert Pickering.....	Waterford
Milford Eugene Schmidt.....	Agosta
Dale Hotchkiss Scott.....	Stockport
George Washington Sickafoose.....	Waynesburg
John Wesley Thomas.....	Thurston
Yun-Kuei Yang .....	Szechuan, China

(Eleven Candidates)

**BACHELOR OF SCIENCE  
IN HOME ECONOMICS**

Bessie Cade.....	Hamden
Ina May Carr, B.A. (Muskingum College).....	Newcomerstown
Esthe Crew.....	West Milton
Irene Elizabeth Dye.....	Rockford
Ruth Andree Gauger (as of the Class of 1927).....	New Philadelphia
Ruth Pauline Heenan.....	Columbus
Helen Higgins.....	Rome
Rachel Jean Inskeep.....	East Liberty
Lois Rebecca Keiser.....	Dayton
Fay Bowman LeBeau.....	Columbus Grove
Alice Virginia Lentz.....	Antioch
Ruth Palmer.....	Van Wert
Alice Alma Rannebarger.....	Galena
Frances Elizabeth Reading.....	Athens
Dorcas Emilie Schneider.....	Columbus

(Fifteen candidates)

**COLLEGE OF ARTS AND SCIENCES**  
Dean: WALTER J. SHEPARD

**BACHELOR OF ARTS**

Robert Asbury Aughinbaugh, B.Sc. in Edu.....	Columbus
Karl Gottlieb Bambach.....	Columbus
John David Barricklow.....	Cadiz
Bernice May Baumgarten.....	Madison
John Bender .....	Fostoria
George Parker Berg.....	Ironton
Charles Samuel Bishop.....	Pataskala
Everett George Blasberg.....	Columbus
David Braitman.....	West New York, N. J.
Emily Clara Brown.....	Columbus
Milton William Carey, B.Sc. in Edu.....	Sidney
Dennis Franklin Davidson.....	New Lexington
John Donald Day.....	Steubenville
Anna Agnes Dehmer.....	Tiffin
Corinne Terrel Dryer.....	Columbus
William James Evans.....	Uhrichsville
Guy Harmon Pinley.....	Columbus
Catherine Elizabeth Fosnaugh.....	Columbus
Winston Rundle Frost.....	East Cleveland
Kenneth Merlyn Gaver.....	Mechanicsburg
Mildred Stauffer George.....	Ottawa



Rafael Gonzalez-DeMaldonado.....	San Juan, P. R.
John William Griesheimer.....	Chillicothe
Mary Virginia Hewitt (with Honors) (with Distinction in History).....	Columbus
Wilbur Rosencrants Hodges.....	Delaware
John Wood Howell.....	Gallipolis
Honor Fetzer Hutchison.....	Smithville
Harold Shriver Lee.....	Wheelersburg
George Oatis Makres.....	Youngstown
Marjorie Elizabeth Maxey.....	Ironton
James Francis Munn.....	Bellevue, Pa.
John Aloysius Murphy, Jr.....	East Liverpool
Frederick Andrew Murray.....	Union Furnace
Ruth Dorothea Nottingham.....	Cleveland
John James O'Bell.....	Cleveland
Robert James O'Leary.....	Ashtabula
Henry Clay Payne.....	Cincinnati
Ellsworth Elmer Pegg.....	Columbus
Esther Elizabeth Pike.....	Lisbon
Mary Sophie Prissinger (with Honors).....	Cleveland
Michael John Pronko.....	Akron
Dorothy Douthitt Raymer.....	Beaver Falls, Pa.
Ozora Grace Reelhorn.....	Kirkersville
Iona Winters Riebel.....	Columbus
John Alan Riebel.....	Columbus
Clarence Oran Rufenach.....	Newcomertown
*Bonnie Consuelo Ruff.....	Ashville
Nathan Stanley Schlezinger.....	Columbus
Fred Charles Schulz.....	Columbus
Lewis Samuel Shensa.....	Youngstown
Hazel Shepard.....	Columbus
Fred Andrew Smith.....	Columbus
Carl Bostwick Sparks.....	Columbus
Ruth Phillips Squires.....	Columbus
Robert Tarr.....	Orchard Island
Stockton Victor Thomas.....	Cincinnati
Roy David Weinberg.....	Zanesville
Frank Edward Wilson.....	Columbus
Charles Bzalel Zwelling.....	Cleveland

(Fifty-nine candidates)

## COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: WALTER C. WEIDLER

## BACHELOR OF SCIENCE

Frank Richmond Alter, Jr.....	Parnassus, Pa.
Barnitz Gaylord Ball.....	Columbus
Phil Martin Bidlack.....	Columbus
George Donley Close.....	Columbus
William Avise Curtis.....	Dayton
Fred Tullis Dewey.....	Solon
Charles Reynold Ford.....	Cleveland
William Wayne Furrer.....	East Liverpool
Chester Fred Glasser.....	Youngstown
Mary Ellen Hall.....	Brownwood, Tex.
Martin Conner Harris.....	Cincinnati
John Alfred Heenan.....	Columbus
Floyd Gerald Helgersen.....	Marshalltown, Ia.
Arthur Donald Hiner.....	Ashland
Robert Philip Hirsch.....	Cleveland
Christian Anderegg Kate.....	Sugar Creek
Elbert Edison Kibele.....	Bluffton

\* Two degrees.

William Pierre Kuipers.....	Sewickley, Pa.
Roland Theodore LeClerq.....	Columbus
J. Hayward Montoney.....	Grove City
Albert Edward Narosny.....	Cleveland
Albert Allen Parker.....	Cleveland
William Frederick Ianson.....	Stryker
John Dobbling Rockaway.....	Cincinnati
Howard Joseph Schlereth.....	Columbus
Morris Shokler.....	Cincinnati
William Loomis Stoneman.....	Columbus
Jack Kirby Taylor.....	Dayton
George Lee Trees.....	Linworth
Harold Milbourn Woehrle.....	Toledo

(Thirty candidates)

#### BACHELOR OF SCIENCE IN JOURNALISM

William Evan Francis.....	Cleveland
Robert Raison Halley.....	Columbus
Donald Wayne Haynes.....	Cleveland
Emory William Heizer.....	Columbus
Alice Kuney Locke.....	Columbus
Bruce Hardy McClure.....	Middletown
Albert Narosny.....	Cleveland

(Seven candidates)

#### BACHELOR OF SCIENCE IN SOCIAL ADMINISTRATION

Mary Catherine Atwood.....	Columbus
Helen Davis.....	Hamilton
Louise Charlotte Fiand.....	Columbus
Harriett Lucille Heller.....	Columbus
Carroll Gillen Marchand.....	Cleveland
Mildred Van Nest.....	Lockland

(Six candidates)

#### COLLEGE OF DENTISTRY

Dean: HARRY M. SEMANS

#### DOCTOR OF DENTAL SURGERY

Frank Nicholas Braidech.....	Cleveland
Abraham Brown.....	Youngstown
Malcolm Hart Forbes.....	Elyria
Walter Philip Mitchell.....	Dennison
John Edward Theis.....	Manchester

(Five candidates)

#### COLLEGE OF EDUCATION

Acting Dean: BOYD H. BODE

#### BACHELOR OF SCIENCE IN EDUCATION

Willis Oxley Aleshire, B.A. (Ohio Wesleyan University).....	Worthington
Ronald Bahmer Almack.....	Columbus
Eleanor King Annett.....	Newark, N. J.
Helen Brown Bayha, B.Sc. in Jour.....	Columbus
Marian Bannon Black.....	Dublin
May Bonar.....	Glen Easton, W. Va.
Fred Herman Braunlin.....	Columbus
Margaret Mary Brennan.....	London
Jean Eloise Bright.....	Logan



Ruth Zelma Byers.....	Columbus
Josephine Marguerite Callaghan.....	Columbus
Robert Howard Carleton.....	Dayton
Jean Cavinee.....	Washington, C. H.
Frances Permelia Chaine.....	Columbus
Donald Clair Davis.....	Columbus
Hilda Elizabeth Dierker.....	Columbus
Joseph Alan Dorff, B.A.....	Shadyside
Clara Marie Eagle.....	Columbus
Elizabeth Emma Emmert.....	Columbus
John Clyde Eschliman.....	Dalton
Frances Marie Evans, B.A.....	Columbus
Helen Margaret Fidler.....	Marion
John Edward Fintz.....	Cleveland
Alberta Giesy Gates.....	Columbus
Edith May Gortner.....	Amanda
Talma Mae Graves.....	Gillespieville
Roy Thomas Handley.....	Columbus
Voise Marie Harvey.....	Archbold
Kathleen Emily Hazard.....	Caldwell
Rebecca Hellerstein.....	Dillonvale
Twila Esther Hessin.....	Black Run
Dorothy Maria Hoefele.....	Thompson
William Leonard Holliday.....	Campbell
Laura Virginia Hollister.....	Columbus
Robert Curtis Horn.....	Zanesville
Dorothy Marie House.....	Fremont
Hugh M. Bole Houston.....	Struthers
Ralph Magee Hudson, B.A.....	Ashtabula
Marian Blake Jeffries.....	Columbus
Amy Jane Jones.....	Thurman
William Carl Judy.....	North Lewisburg
Harry Marot Justus.....	Columbus
Anna Catherine Kidd.....	Gahanna
Helen Kienzle.....	Columbus
Dorance Rex Lowman.....	Harrod
Helen Elizabeth Mack.....	Circleville
Marjorie Augusta Matchette.....	Columbus
Mary Rhea McBane.....	Woodlawn, Pa.
Clarence Jay Metzger.....	Columbus
Frederick Magley Moccabee, B.E.E.....	Columbus
Arthur Elisha Moody.....	Centerburg
Pearl Frances Moran.....	Findlay
Percy Edgar Nead.....	Elyria
Dorothy Bell Patton.....	Columbus
Phylis R. Pollock.....	Akron
John Edward Prass.....	Dayton
Bonna Ruth Rader.....	Circleville
Violet Mildred Raquet.....	Columbus
Julia Marian Rich.....	Lakewood
Ralph Allen Ringgenberg.....	Ohio City
*Bonnie Consuelo Ruff.....	Ashville
Helen Louise Sandles.....	Ottawa
John Edwin Scott.....	Union City, Ind.
Solomon D. Shaman.....	Dayton
Laura Caroline Sheldon.....	White Cottage
Donald Elmer Shoemaker.....	Dayton
Irving James Smith.....	Adena
John Delphin Smith.....	Grove City
Pauline Augusta Solms.....	St. Marys
Raymond Edward Spence.....	Columbus
Frances Kathryn Stone.....	Franklin, Pa.

\* Two degrees.

Hazel McFadden Suessenguth.....	Bellaire
Ray Ellis Thornton.....	Northup
Harriett Lawrence Thurston.....	Columbus
James Jones Torgler.....	New Philadelphia
Herbert R. Troyer.....	Paulding
Helen Faye Turney.....	Gahanna
Philip Sidener Waldeck.....	Woodstock
Agnes A. Warner.....	Columbus
Ralph Howard Waterhouse.....	Akron
David John Wiens.....	Lorain
Ellis Albert Wiley.....	Alliance
Agnes Rose Wilhelm.....	Columbus
Anna O'Hear Williamson.....	Wilberforce
Marjorie Burns Winter.....	Lakewood
Albert Wisner.....	Kenton
Margaret Barch Ziebold.....	Columbus
Gwendolyn Pauline Zuber.....	Lima

(Eighty-eight candidates)

## COLLEGE OF ENGINEERING

Dean: EMBURY A. HITCHCOCK

## BACHELOR OF CHEMICAL ENGINEERING

John Louis Arns.....	Glendale
Julius David Stone.....	Columbus

(Two candidates)

## BACHELOR OF ELECTRICAL ENGINEERING

Milo Cullen Harsh (as of the Class of 1925).....	Lancaster
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(One candidate)

## BACHELOR OF INDUSTRIAL ENGINEERING

John James Quillen.....	Warwick
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(One candidate)

## BACHELOR OF MECHANICAL ENGINEERING

Henry Parker Seymour.....	Canton
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(One candidate)

## COLLEGE OF PHARMACY

Dean: CLAIR ALBERT DYE

BACHELOR OF SCIENCE  
IN PHARMACY

Louis Kerstein.....	Columbus
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(One candidate)

## DECEMBER CONVOCATION

## GRADUATE SCHOOL

Dean: WILLIAM MCPHERSON

## DOCTOR OF PHILOSOPHY

Robert Murray Bear, B.A., M.A. (Washington and Lee University).....	Danville, Ky.
Karl George Adolph Busch, A.B., B.Sc. (Capital University); M.A.....	Columbus
Paul Francis Collins, B.Cer.E., M.Sc.....	Columbus
Stanley Rawlings Detrick, B.S. in Chem. Engr. (Ohio Northern University); M.Sc.....	Columbus
Lloyd Moses Hoff, A.B., A.M. (Manchester College).....	Columbus
Philip Gerald Horton, B.S. (Denison University); M.Sc.....	Columbus
George Maurice Machwart, B.S., M.S. (The College of Wooster).....	Wooster



Boanerges Bonnie Malvea, B.Sc. (Ewing Christian College) ; M.Sc., M.A. (University of Allahabad, India) .....	Allahabad, India
Marion Thomas Meyers, B.Sc. in Agr., M.Sc. ....	Hillsboro
William Russell Pyle, B.S. in M.E. (Purdue University) ; M.Sc. ....	Wilmington
Elmer Frederick Schroeder, A.B. (Defiance College) ; M.Sc. ....	Defiance
Louis Edwin Smart, B.A., M.A. ....	Columbus
William Thomas Smith, Jr., B.A. (University of Virginia) ; M.A. ....	Wilmington, N. C.
(Thirteen candidates)	

## MASTER OF ARTS

William Herbert Blough, B.A. (Susquehanna University) ; B.D. (Wittenberg College) ..	Springfield
Michael Bogomolny, B.A. ....	Cleveland
Ada Dorris Cain, B.A. (Muskingum College) .....	New Concord
Zilloh LaVerne Daring, B.Sc. in Bus. Adm. ....	Toledo
Urban Edward Diener, B.S. in Edu. (Miami University) .....	Van Wert
Ellwood Oakley Dille, B.Sc. in Bus. Adm. ....	Mt. Victory
Marie Elliott, B.A. (The College of Wooster) .....	Dellroy
Harry Emmet Fast, B.A. ....	Chesterhill
Maurice Freeman, B.A. (University of British Columbia) .....	Vancouver, B. C., Canada
William John Hannum, B.A. ....	Columbus
Isolde Ardinella Henninger, B.A. ....	Tiffin
Roy Tifferton Hickman, B.S. in Edu. (Ohio University) .....	Woodsfield
Bryant Chambers Kerr, Ph.B. (Kenyon College) .....	Centerburg
Charles Edwin Lovell, B.A. (Ohio Wesleyan University) .....	McConnellsville
George Lester McBride, B.A. ....	Zanesville
Virginia Delph McCullough, B.Sc. in Edu. ....	Pittsburgh, Pa.
Darrell Richard Murray, A.B. (Manchester College) .....	Columbus
Venancio Nera, A.B. (Colorado State Teachers College) .....	Luna, La Union, P. I.
Henry Conrad Ohlson, B.Sc. in Bus. Adm. ....	Huntington, W. Va.
Nina Lee Reid, A.B. (Wittenberg College) .....	Springfield
Paul Vanemon Rowland, B.A. (Muskingum College) .....	Zanesville
Alice Phillips Sells, B.A. (Wellesley College) .....	Columbus
Arthur William Shields, A.B. (Grove City College) .....	Wellington
Carl Lloyd Spicer, B.Sc. in Bus. Adm. ....	New Straitsville
Ralph Melvin Stogdill, B.A. ....	Columbus
Robert Burtner Strickler, A.B. (Berea College) .....	Hinton, Va.
Mary Winifred Thompson, B.A. (Muskingum College) .....	New Concord
J. Lake Vesper, B.Sc. in Edu. ....	Columbus
Charles Chang-Ching Wan, B.Sc. in Railroad Adm. (University of Communications, Peking, China) ; M. Bus. Adm. (University of Pennsylvania) .....	Nanking, China
Theodore Weaver, B.A. ....	Columbus
Bergson Yang, B.A. (China National Normal University) .....	Yi-Yang, Hunan, China
(Thirty-one candidates)	

## BACHELOR OF SCIENCE

Mary Louise Bucher, B.Ch.E. ....	Dayton
William Hodges Clarke, B.S. (Clemson Agricultural College) .....	Pendleton, S. C.
Faith Louise Common, B.A. (St. Lawrence University) .....	Watertown, N. Y.
Chester Daniel Firestone, B.S. (The College of Wooster) .....	West Salem
Percy Wright Ott, B.Sc. in Engr. (University of Illinois) .....	Columbus
Robert Okey Roth, B.S. in Edu. (Ohio University) .....	Woodsfield
Frank John Soday, B.S. in Chem. Engr. (Grove City College) .....	Grove City, Pa.
Margaret Walker Spiers, B.Sc. in H.E. ....	Columbus
Emerson William Weber, B.Sc. in Phar. ....	Ironton
Solomon Frederick Whirl, B.A. ....	Lima
(Ten candidates)	

## CANDIDATE FOR TWO DEGREES

Eleanor Gertrude Weinland .....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
(One candidate)	

## COLLEGE OF AGRICULTURE

Dean: ALFRED VIVIAN

BACHELOR OF SCIENCE  
IN AGRICULTURE

Myron Vernon Anthony.....	Louisville
Robert William Bishop.....	Greenville
Homer Frederick Browning.....	Columbus
Lawrence George Brubaker.....	Ashland
Adolph Ferdinand DeWerth.....	North Olmsted
Elmer William Greve.....	Cleveland Heights
Frank Holeski .....	Peninsula
Beryl Barbara Pierce.....	Mansfield
Griffin Latham Roberts.....	Hilliards
Charles Byron Ross.....	Felicity
Howard Ephraim Stratton.....	Flushing
Yoshio Takahara .....	Sapporo, Hokkaido, Japan
Leo Burtin Tucker.....	Mansfield

(Thirteen candidates)

BACHELOR OF SCIENCE  
IN HOME ECONOMICS

Margaret Elizabeth Beeman, B.S. (The College of Wooster).....	Wooster
Margaret Welker Booton.....	Williamson, W. Va.
Ona Glen Butler.....	Columbus
Zoe Butler .....	Columbus
Osa Johnson Day .....	Portsmouth
Myrtle Marie Dickson.....	Rinard Mills
Margaret Emeline Fleming.....	Alexandria
Esther Dissinger Lynn.....	Columbus
Donna Virginia Shoop.....	Cambridge
Lillian Elena Spannon.....	Logan
Agnes Louise Turner.....	Marion
Gladys Margaret Uncapher.....	Marion
Mary Eleanor Vaughan.....	Marion

(Thirteen candidates)

## COLLEGE OF ARTS AND SCIENCES

Dean: WALTER J. SHEPARD

## BACHELOR OF ARTS

Helen Mary Blackford.....	Martins Ferry
Max Bogod .....	Elyria
Joseph Chervinko, Jr.....	Farrell, Pa.
Margaret Ellen Crisp.....	Elyria
Mary Elizabeth Egerton.....	Ironton
Hannah Chandler Gallagher.....	Cleveland
Stephen Garasky, LL.B.....	Youngstown
Irma Viola Giesen, B.Sc. in Edu.....	Middleport
Benjamin Goldberg .....	Youngstown
Elizabeth Kyle Hartley.....	Troy
Howard Joseph Heilman.....	Columbus
Paul Leroy Hill.....	Rising Sun
Wallace Dudley Hooper.....	Lima
Rebecca Shiras Jarvis.....	Clarksburg, W. Va.
Irwin Albert Johnson (with Honors and with Distinction in French).....	Elyria
Harry Samuel Kemp.....	Dayton
Edythe Sara King.....	Springfield
Benjamin M. Krugman.....	Paterson, N. J.
Thad G. Kuenzli.....	Nevada
Howard Warren Lawrence.....	Greenfield, Mass.
Erdine Mildred Longworth.....	Delaware



George Levier Mann .....	Columbus
Donald Lawrence McClure .....	Toledo
Paul David Meyer .....	Cleveland
Ralph Emerson Nichols .....	Columbus
Charles Lee Nunn, Jr. ....	Akron
Elsie Grace Paazig .....	Mt. Vernon
John Galigher Pinkerton .....	McConnelsville
Edythe May Polster .....	Columbus
Robert Jay Rice .....	Sebring
Ralph Stewart Richey .....	Centerburg
Bonnie Jackson Rogers .....	Columbus
Benjamin Rosenberg (with Honors and with Distinction in German) .....	Cleveland
Manuel Santiago .....	Ponce, P. R.
Charles Paul Shull .....	Gahanna
Grace Alice Stokes .....	Lebanon
John M. Thompson, Jr. ....	Columbus
Richard Clyde Ulmer .....	Columbus
Marlin Richard Wedemeyer .....	Delaware
*Eleanor Gertrude Weinland .....	Columbus
Janice Margaret Work .....	East Cleveland
Bergitta Emily York .....	Elwood, Ind.
Florence Martha Yurjevic .....	Steubenville

(Forty-three candidates)

## COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: WALTER C. WEIDLER

BACHELOR OF SCIENCE  
IN BUSINESS ADMINISTRATION

Herbert Walter Arnold .....	Salem
Donald Knoedler Auck .....	Bucyrus
Ralph Russell Brewer .....	Dover
Paul Ginter .....	Wooster
Joseph Edgar Glass .....	Elyria
Dean Russel Hand .....	Columbus
Wayne Turner Helfrich .....	Columbus
George Edgar Kellogg .....	Akron
Arvine Walter McElroy .....	Conneaut
Lester Byron Pepper .....	Sidney
Lewis Beery Poling .....	Mansfield
Wellington Frank Roemer .....	Toledo
Harold Howard Romain .....	Cleveland
George Daniel Shellabarger .....	Dayton
William Horatio Silver .....	Eaton
George Sidney Simpson .....	Columbus
Robert Charles Snyder .....	Dayton
Robert Tannehill Temple .....	Canton
Edgar Granville Thompson .....	Bluffton
Edwin Saunders Williams .....	Huntington, W. Va.
James Carl Zink .....	Lancaster
Nicholas Paul Zink .....	Lancaster

(Twenty-two candidates)

BACHELOR OF SCIENCE  
IN JOURNALISM

Clarence Carlton Hartley .....	Columbus
William John Hinchman .....	Columbus
†Paul Leonard Insley .....	Worthington

(Twenty-two candidates)

\* Two degrees

† Died November 11, 1930

BACHELOR OF SCIENCE  
IN SOCIAL ADMINISTRATION

Frances Allison Nesbitt.....	Columbus
(One candidate)	

COLLEGE OF EDUCATION  
Dean: GEORGE FREDERICK ARPS

BACHELOR OF SCIENCE  
IN EDUCATION

Charlotte Colborn Addison.....	Columbus
Thomas Jackson Arnold.....	Akron
Ivalee Mae Behrens.....	Columbus
Mary Irene Bennett.....	New Lexington
William James Butler.....	Columbus
Gladys Virginia Corbett.....	Coraopolis, Pa.
Martha Louise Daniell.....	Columbus
Eleanor Mae Dorn.....	Sedalia
Evelyn Frances Dorn.....	Sedalia
Sarah Nan Dusthimer, B.A.....	Zanesville
Marian Theresa Estep.....	Columbus
Robert Charles Fivaz.....	Sunbury
Harlin John Fry.....	Mogadore
Ada Lorraine Garrett.....	Columbus
Edythe Grace Gruber.....	Conneaut
Bertha Jacobson.....	Dubuque, Ia.
Richard Orville Knight.....	Lorain
Lewis Harry Landsman.....	Youngstown
Nellie Moore Low.....	Millersburg
Helyn Verna McAlpine.....	Bellefontaine
James Benjamin Myers.....	Shanesville
Elizabeth Evans Roman.....	Steubenville
Esther Mae Schecter.....	Columbus
Dorothy Isabel Siegfried.....	Philadelphia, Pa.
Ethel M. Spaller.....	Painesville
Catherine Louise Stofer.....	Tiffin
Max Bash Tenenbaum.....	Cleveland
Julius Harold Thomas.....	Columbus
*Eleanor Gertrude Weinland.....	Columbus
Mary Frances Winchester.....	Columbus

(Thirty candidates)

COLLEGE OF ENGINEERING  
Dean: EMBURY A. HITCHCOCK

BACHELOR OF ARCHITECTURE

Charles Lamont Barber.....	Paulding
John Folger Schaffner.....	Cincinnati
Willis August Whitehead.....	Columbus

(Three candidates)

BACHELOR OF ARCHITECTURAL ENGINEERING

Joel William Hoge.....	New Knoxville
(One candidate)	

BACHELOR OF CERAMIC ENGINEERING

Willard Kasson Carter.....	Columbus
Thomas Lee Falknor.....	Covington
Henry Newhouse.....	Columbus

(Three candidates)

\* Two degrees



## BACHELOR OF CHEMICAL ENGINEERING

Morris Samuel Hurwitz.....	Columbus
(One candidate)	

## BACHELOR OF CIVIL ENGINEERING

William Edward Grover.....	Toledo
Harry Earnest Hallock.....	Columbus
Harold Harper Hill.....	Reinersville
Embury Mortimer Hitchcock.....	Columbus
Kenneth Andrew Lynn.....	Warren
George Wescott Meacham (as of the Class of 1929).....	Columbus
Henry Bruning Sherman.....	Columbus
Harold Herbert Slater.....	Smithville
William Keen Taylor.....	Conneaut
(Nine candidates)	

## BACHELOR OF ELECTRICAL ENGINEERING

Benjamin Parker Hess, B.Sc. in Agr.....	Columbus
Stanley Philip Jay.....	Columbus
Paul Alexander Whitehead.....	Columbus
(Three candidates)	

## BACHELOR OF ENGINEERING PHYSICS

Lawrence Virgil Johnson.....	Columbus
(One candidate)	

## BACHELOR OF INDUSTRIAL ENGINEERING

Carl Fred Degner, Jr.....	Cleveland
Richard William Fiedler.....	Uhrichsville
Donald Curtis French.....	South Zanesville
Norman Ray Hetzler.....	Bradford
Richard Michael Hindman.....	Toledo
Brice Otho Reay.....	Dayton
Allan Howard Shumard.....	Milford
Dale Marshall Valentine.....	New Madison
Kenneth Edwin Wasserman.....	Columbus
(Nine candidates)	

## BACHELOR OF MECHANICAL ENGINEERING

Robert Frederick Deucher.....	Cleveland
Burritt Gray Fleming.....	Columbus
Edward Frey Umsted.....	Circleville
(Three candidates)	

## BACHELOR OF ENGINEERING IN MINING

Carl V. Spangler.....	Marion
Joseph Leonard Weaver.....	Defiance
(Two candidates)	

## COLLEGE OF MEDICINE

Dean: JOHN H. J. UPHAM

## DOCTOR OF MEDICINE

A. Sophie Rogers, A.B., A.M., Ph.D.....	Columbus
(One candidate)	

## COLLEGE OF PHARMACY

Dean: CLAIR ALBERT DYE

BACHELOR OF SCIENCE  
IN PHARMACY

Alex Sandor Ansel.....	Cleveland
Carl Edward Conrad.....	Newark
John Mileti.....	Cleveland
John Williams Tipton.....	Ashland, Ky.
(Four candidates)	

## MARCH CONVOCATION

## GRADUATE SCHOOL

Dean: WILLIAM MCPHERSON

## DOCTOR OF PHILOSOPHY

Stella Martin Bowers, B.A., M.A.....	Columbus
Margaret Estelle Hamilton, B.A., B.Sc. in Edu.....	Toledo
Joseph Jonathan Lowden, B.A.; A.M. (Columbia University).....	Columbus
Selma Martha Mathews, A.B. (Kansas Wesleyan University); A.M. (Columbia University)	Columbus
Francis Leo Meara, B.E.E., M.Sc.....	Columbus
Gale Francis Nadeau, B.S., M.S. (The University of the City of Toledo).....	Columbus
Alva Thompson, B.A. (Wabash College); M.A.....	Ridgefarm, Ill.
(Seven candidates)	

## MASTER OF ARTS

Stanford George Ackley, B.Sc. in Bus. Adm.....	Marion
Elizabeth Ninetta Aston, A.B. (Wittenberg College).....	Springfield
Roger Marion Bellows, B.A.....	Columbus
James Slade Brown, B.Sc. in Bus. Adm.....	Batavia
Stephen Wallace Calhoun, A.B. (Otterbein College).....	Mt. Gilead
Wellington Jaffray Cameron, B.A. Sc. (University of Toronto).....	Columbus
Homer L. J. Carter, B.Sc. in Edu. (Detroit Teachers College).....	Kalamazoo, Mich.
Emerson George Clifton, A.B. (Ohio Northern University).....	Newcomerstown
Margaret Elizabeth Edwards, B.A. (Mills College).....	Columbus
Martin Luther Goetting, A.B. (Rio Grande College).....	Bidwell
William Clifton Jordan, B.Sc. in Edu.....	Bowling Green
Josephus Floyd Leist, B.A.....	Columbus
John Calvin Lotze, A.B. (Miami University).....	East Palestine
Ruth Dissinger Mayne, B.Sc. in Edu.....	Dayton
Jane Regina McDonald, B.Sc. in Edu.....	Columbus
Joseph Theodore Morgan, B.A.....	Middletown
Louis Andre Odebrecht, A.B. (Denison University).....	Cambridge
Joseph Andrew Park, B.A.....	Columbus
Leroy Raadell Posey, B.A. (Fisk University).....	Baton Rouge, La.
Mary Sophie Prissinger, B.A.....	Cleveland
Helen Erdean Smith, B.Sc. in Edu.....	Marysville
Leo Gordon Staley, B.Sc. in Edu.....	Canajoharie, N. Y.
Hsing Po Ting, B.S. (University of Illinois).....	Shanghai, China
Russell Dewey Tubaugh, B.S. in Edu. (Ohio University).....	Sardis
Ellen Todd Warner, B.Sc. in Edu.....	Columbus
(Twenty-five candidates)	

## MASTER OF SCIENCE

William Morton Barrows, Jr., B.A.....	Columbus
Emory Dwight Burgess, B.S. (Massachusetts Agricultural College).....	Melrose Highlands, Mass.
Edwin Bertrand Carr, B.Ch.E.....	Tiffin
Jared Wilson Clark, B.S. (Ch.E.) (University of Wisconsin).....	Menomonie, Wis.



Ralph Howard Davidson, B.Sc. in Agr.....	Vandalia
Kenneth A. Haines, B.S. in Agr. (Purdue University).....	Pendleton, Ind.
Lyle Kermit Herndon, B.Ch.E.....	Charleston, W. Va.
Bailey Breazeale Pepper, B.S. (Clemson College).....	Easley, S. C.
Ray Pontius Sauer, B.Sc. in Agr.....	West Alexandria
Paul Everett Schaefer, A.B. (Bethany College).....	Rittman
Austin Dever Sprague, A.B. (Miami University).....	Portsmouth
William Walter Stanley, B.S. in Ent. (University of Montana).....	Knoxville, Tenn.
Edmund David Walter, B.S. (Pennsylvania State College).....	Columbus
(Thirteen candidates)	

## COLLEGE OF AGRICULTURE

Dean: ALFRED VIVIAN

BACHELOR OF SCIENCE  
IN AGRICULTURE

Thomas Kenneth Bell.....	Zanesfield
John George Binnig.....	Thompson
Gerald Elsworth Broughton.....	Marietta
Alonzo Marshall Burdge.....	La Rue
Harold Tambling Clift.....	Novelty
Howard Gerlaugh.....	Osborn
Lee Dale Glass.....	Sharpsburg
James McCullough Harris.....	Clifton
Edward Wayne Johnson.....	Broadway
Gale Raymond Kasler.....	Amesville
Paul Edward King.....	West Liberty
Marshall Erwin McAdoo.....	Sullivan
William James Murphy.....	Cincinnati
Joseph Popa.....	Lorain
Herman Thresh Sandel.....	Conesville
Arthur R. Schumacher.....	Pandora
Albert Frederick Zielke.....	Latty
(Seventeen candidates)	

BACHELOR OF SCIENCE  
IN HOME ECONOMICS

Elizabeth Snook.....	South Lebanon
Mildred Elizabeth Taylor.....	Sullivan
Sarah Catherine Trump.....	Williamsport
Olive Martina Westfall.....	Columbus
(Four candidates)	

## COLLEGE OF ARTS AND SCIENCES

Dean: WALTER J. SHEPARD

## BACHELOR OF ARTS

Henry Batsch.....	Canton
Marion Henry Bertling.....	Piqua
Henry Lee Bookwalter.....	Columbiana
Frank Anthony Catalano.....	Cleveland
George H. Chamblin.....	Columbus
Harold Joseph Cohn.....	Zanesville
Albert Cramas.....	Paterson, N. J.
Rex Emerson Daniel.....	New Bethlehem, Pa.
Edwin Harrison Dickey.....	Dresden
Paul Henderson Dube.....	East Cleveland
Frank Strong Felhaber.....	Columbus
Joseph George Ferneau.....	Bainbridge
Charles Samuel Fox.....	Bellevue
David Goldsmith.....	Columbus
Samuel Myron Gurevitz.....	Columbus

Sidney Lawrence Halperin.....	Columbus
Dayton Eyster Heckman.....	Edon
Emil Mitchell Heifetz.....	Cleveland
Catherine Elizabeth Hennessey (with Honors).....	Columbus
Zeph John Reid Hollenbeck.....	Columbus
Margaret Kathryn Howell.....	Ben Avon, Pa.
Winifred Sara Johnson.....	Columbus
Louis Joseph Katonak.....	Lorain
Maude Elizabeth Kent.....	Columbus
Albert Edward Lake.....	Cleveland
Luther Lalendorf.....	Toledo
Philip Benjamin Lefkowitz.....	Miami, Fla.
Leslie Charles Lloyd.....	Chillicothe
James Bolden Love.....	Xenia
Alfred Joseph Mateczun.....	West Pullman, Ill.
Agnes Provines McGavran.....	Cadiz
Paul Robert McKain (with Honors).....	Youngstown
Helen Louise Mentzer.....	Kenton
Isao Mikami.....	Tokio, Japan
Dorothy Jean Painter (with Distinction in Political Science).....	Columbus
Lucille Cornelia Pool.....	Port Clinton
George Elmer Rice.....	Dover
John Ruskyn Richards.....	Camp Chase
Bertha Sarah Roberts.....	Cleveland
Samuel Henry Schwartz.....	Brooklyn, N. Y.
Katherine Pitrat Smith.....	Proctorville
Paul Gordon Smith.....	Bellefontaine
Sol Lewis Smith (with Honors).....	Brooklyn, N. Y.
James Harry Speckman.....	Columbus
Roger Ulysses Swingle.....	Columbus
William Wasserstrom.....	Columbus
Richard Homer Wehr.....	Caldwell
Porter Shurr Welch (with Distinction in English).....	Lakewood
Marie Alice Williams.....	Columbus
Denton Ernest Zesiger.....	Cuyahoga Falls

(Fifty candidates)

## BACHELOR OF SCIENCE

Albert Kreider Howell, M.D. (as of the Class of 1923).....	Troy
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(One candidate)

## COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: WALTER C. WEIDLER

BACHELOR OF SCIENCE  
IN BUSINESS ADMINISTRATION

John Theodore Atkinson.....	Newcomerstown
Frederick Clover Backus.....	Columbus
Robert Edward Borden.....	Delaware
Edward Joseph Cassidy.....	Akron
Leo Monty Chase.....	Columbus
Chandler Vincent Copps.....	Stevens Point, Wis.
Melford LeRoy Culler.....	Carey
Worth Finley Donaldson.....	Alliance
Lowell Arthur Dowds.....	Bellaire
Joe Fellman.....	Cleveland
Virgil Roy Fulton.....	Columbus
Squire Haldein Funk.....	Bascom
Winston Aage Gould.....	Cincinnati
John Carse Grey.....	Junction City
Don Leslie Hay.....	Harrod
Roger Willis Henderson.....	Austinburg



John Robert Jones.....	Columbus
Charles MacGregor Kimball.....	Elyria
Dale DeWitt Kramer.....	Akron
Charles Jay Kurson.....	Columbus
Charles Frederick Luft.....	Columbus
Walter Francis Novak.....	Toledo
Alan Abraham Plant.....	New Castle, Pa.
Fred Eldon Rector.....	Muncie, Ind.
Joseph Andrew Roach.....	Columbus
Richard Carman Rockaway.....	Cincinnati
Norton Eugene Schickler.....	Columbus
Jack Monroe Shapero.....	Cleveland
Albert Edward Shriver.....	North Canton
Ezra Grogan Smith.....	Dayton
Sara Elizabeth Stanley.....	Columbus
Neil Emerson Taylor.....	Pickerington
Ivon William Ulrey.....	Columbus
Joe Milton Walton.....	Tuscarawas
Manning Drew Webster.....	Pomeroy
William Perry Wilson.....	Alliance
Donald Clark Wolfe.....	Racine

(Thirty-seven candidates)

#### BACHELOR OF SCIENCE IN JOURNALISM

Cleland Hall Anderson.....	Ostrander
Arnold Lewis Fausz.....	Waterville
H. Wendell Owen.....	Columbus

(Three candidates)

#### BACHELOR OF SCIENCE IN SOCIAL ADMINISTRATION

Florence Marie Dutton.....	Marion
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(One candidate)

#### COLLEGE OF EDUCATION Dean: GEORGE FREDERICK ARPS

#### BACHELOR OF SCIENCE IN EDUCATION

Mary Grace Anderson.....	Columbus
Eliza Armstrong .....	Jackson
Ivan Re'ner Barnhart.....	Canal Winchester
Luella Layton Clifton.....	Newcomerstown
Bessie Daugherty .....	Columbus
Catherine Elizabeth Daugherty, B.A.....	Lancaster
Marjorie Marie Gabriel, B.A.....	Vincennes, Ind.
Virginia Rita Gunn.....	Columbus
Morris Hart Horwitz.....	Cleveland
Maxine Rebecca McAtee.....	Celina
Olive Avice Marshall.....	Mt. Vernon
Margaret Muth .....	Columbus
Harold Nelson .....	Columbus
Charlotte Rochester .....	Logan
Doris Virginia Springer.....	Sandusky
Helen Eloise Steiger, B.A.....	Hamilton
Stella Becken Stein.....	Toledo
Marie Rose Winkel.....	Columbus

(Eighteen candidates)

## COLLEGE OF ENGINEERING

Dean: EMBURY A. HITCHCOCK

## BACHELOR OF ARCHITECTURAL ENGINEERING

Ralph Roosevelt Atkinson.....	Columbus
Gordon Chambers Kyle.....	Cedarville
Russell Lee Tussing.....	Reynoldsburg
(Three candidates)	

## BACHELOR OF CERAMIC ENGINEERING

Elliott Clay Aydelott.....	Columbus
(One candidate)	

## BACHELOR OF CIVIL ENGINEERING

John Howard Bass.....	Columbus
Raymond C. Reeder.....	Piqua
Earl Esty Sanderson.....	Berkey
(Three candidates)	

## BACHELOR OF ELECTRICAL ENGINEERING

Robert Frederick Zimmerman.....	Dayton
(One candidate)	

## BACHELOR OF ENGINEERING IN MINING

Sixto Elias Ludena.....	Columbus
Robert Earl Speer.....	Columbus
(Two candidates)	

## BACHELOR OF INDUSTRIAL ENGINEERING

George Millard Bollerer.....	Galion
Charles Camplan.....	Rittman
Fred William Donley.....	Cleveland
William Ralph Jenkinson.....	Dayton
(Four candidates)	

## BACHELOR OF MECHANICAL ENGINEERING

Albert Bunyan Reese, Jr.....	Wooster
(One candidate)	

## BACHELOR OF METALLURGICAL ENGINEERING

Earl Cassidy Kirk.....	Kent
Laurie John Rautio.....	Ashtabula Harbor
(Two candidates)	

## COLLEGE OF PHARMACY

Dean: CLAIR ALBERT DYE

BACHELOR OF SCIENCE  
IN PHARMACY

Glenn Albert Arnold.....	Salem
Elsie Gallucci.....	Cleveland
Abe Robert Miller.....	Cleveland
Shaffer Delmas Norman.....	Akron
(Four candidates)	

## CERTIFICATE OF PHARMACEUTICAL CHEMIST

David Lee Shaffer( as of the Class of 1925).....	Jackson
(One candidate)	



## JUNE CONVOCATION

## GRADUATE SCHOOL

Dean: WILLIAM MCPHERSON

## DOCTOR OF PHILOSOPHY

Edward Geoffrey Bayfield, B.S.Agr. (University of Alberta); M.S.Agr. (McGill University)	Wooster
Lorin Earl Bixler, A.B. (Mt. Union College); A.M. (Columbia University)	Louisville
Helen Mae Blair, B.A. (Ohio Wesleyan University)	Delaware
Richard Stevens Burington, B.A., M.A.	Columbus
Merritt Madison Chambers, B.A. (Ohio Wesleyan University); M.A.	Mt. Vernon
Charles Cicero Clark, B.Ch.E., M.A.	Columbus
Henry LeRoy Coles, B.Sc. in Chem. Engr.; M.S. (Rose Polytechnic Institute)	Hamilton
Alfred Laurence Curl, B.S. in Edu. (Miami University); M.Sc.	Quincy
Charles Gross Duncombe, B.Ch.E., M.Sc.	Columbus
John Edward Eckert, B.Sc. in Agr., M.Sc.	Laramie, Wyo.
Yun-Hao Feng, B.S. (Peking National Teachers College for Women); M.Sc.	Shantung, China
George Albert Filinger, B.S. in Agr., M.S. (Kansas State Agricultural College)	Wooster
Theodore Watson Forbes, A.B., A.M. (Oberlin College)	Oberlin
Roy Bireley Foureman, B.Sc. in Agr.	Columbus
Kermit Groves, B.A. (Muskingum College); M.Sc.	Cambridge
Edward William Hardies, B.S. (Michigan State College); M.S. (University of Minnesota)	Columbus
Frederic Wengerd Heimberger, B.A., M.A.	Columbus
Clyde Hissong, B.S. in Edu. (Miami University); A.M. (Columbia University)	Bowling Green
Harry Heltman Holscher, B.S. (The University of Illinois); M.Sc.	Marshall, Ill.
Robert Chester Kintner, B.Ch.E., M.Sc.	Columbus
Harry Virgil Knorr, B.A. (Susquehanna University)	Berwick, Pa.
Joseph Howard Koffolt, B.Ch.E., M.Sc.	Cleveland
Paul Jackson Kramer, A.B. (Miami University); M.Sc.	Oxford
Paul Nicholas Lehoczy, B.S. in Mech. Engr. (Case School of Applied Science); M.Sc.,	Cleveland
Frederick Hillis Lumley, B.A., M.A.	Columbus
Vernon Lemont Miller, B.A., M.A.	Troy
Thirl Ernest Newland, A.B. (Wittenberg College); M.A.	Columbus
Maxwell Jerome Papurt, B.Sc. in Edu., M.A.	East Cleveland
John Roland Patty, A.B. (Wittenberg College); M.Sc.	Vandalia
Edward G. Punke, B.S. (Hastings College); A.M. (University of Missouri)	Elliott, Ill.
William Harry Reither, A.B., A.M. (Oberlin College)	Jackson Center, Pa.
John Christian Ringwald, A.B. (Miami University); M.A.	Hamilton
Wilda Mae Rosebrook, B.A. (Ohio Wesleyan University); M.A.	Bellefontaine
Claude Gordon Schmitt, B.S. (The University of the City of Toledo); M.Sc.	Toledo
Iman Schurman, A.B. (Hope College); M.Sc.	Holland, Mich.
David Homer Sutton, B.Sc. in Edu. (Muskingum College); M.A.	Stafford
Tracy Enos Thompson, A.B. (Cornell University); A.M. (Columbia University)	Columbus
Robert Franklin Wallace, B.A., M.A.	Cleveland
Dael Lee Wolfe, B.S. in Edu., M.S. (University of Washington)	Bremerton, Wash.
Lloyd Nicoli Yepsen, A.B. (Carthage College); M.A.	Vineland, N. J.
George Zinzalian, B.Ch.E., M.Sc.	Columbus

(Forty-two candidates)

## MASTER OF ARTS

Alma Belle Aikin, B.S. in Edu. (Muskingum College)	New Concord
Bernice Anne Allen, B.A.	Kingston
Ray Brown Ankenbrand, B.Sc. in Edu.	Marietta
Dwight Lester Arnold, A.B. (Otterbein College)	Westerville
Jay Gould Auville, A.B. (Salem College)	East Bank, W. Va.
Merle Vernon Baker, B.Sc. in Bus. Adm.	Columbus
Randall Todd Baldwin, B.A.	Youngstown
Grace Russell Batterson, A.B. (Defiance College)	Defiance
Ivan Ensel Beard, B.S. in Edu. (Bowling Green State Normal College)	Rawson
Elmer Lee Beeler, B.Sc. in Bus. Adm.	Hamilton
Clinton Tippy Boggess, B.A. (West Virginia University)	West Liberty, W. Va.

Reo Don Burgoon, B.A.	Columbus
Julia Luella Cable, A.B. (Ohio University)	Athens
Dexter Eugene Caldwell, A.B. (Rio Grande College)	Weston
Marguerite Ellen Carlin, B.A., B.Sc. in Edu.	Columbus
Shou Chung Chen, B.C.S. (National Central University)	Shanghai, China
Leona Belle Chidester, A.B. (The University of Kansas)	Columbus
Wallace Lytle Clay, B.S. (The College of Wooster)	Warren
Dwight O. Conner, A.B. (Ohio University)	Cambridge
Oliver Kelly Cornwell, A.B. (Wittenberg College)	Springfield
*John Roth Crabbe, B.A.	Columbus
Fannie Isabel Cramer, B.S. in Edu. (Ohio University)	Versailles
Pearl Crawford, B.Sc. in Edu.	Ironton
James Walter Cummins, B.A.	Worthington
Mary Coope Dickinson, B.A.	Columbus
Russell Shinnick Dozer, B.A. (The College of Wooster)	Zanesville
Robert Gaskill Earl, B.A., B.Sc. in Edu.	Columbus
Wilfred James Eberhart, A.B. (John Carroll University)	Youngstown
Mary Abry Ewan, B.Sc. in Edu.	Edon
Muriel Alice Foster, B.A. (Ohio Wesleyan University)	Delaware
Jeanette Frank, B.Sc. in Soc. Adm.	Columbus
Samuel Christian Frank, B.Sc. in Edu., B.A.	Mt. Sterling
Edna Charles Fuller, B.Sc. in Edu.	Columbus
Florence Erbes Gleason, B.A.	Bowling Green
Daisy Blossom Grenzow, B.A. in Journalism (University of Wisconsin)	Columbus
Lydia Katherine Habib, B.Sc. in Edu.	Toledo
Eleonora Paulina Handschin, A.B. (Miami University)	Oxford
Mary Elizabeth Hoffman, A.B. (Otterbein College)	New Madison
Romeo Lemuel Horne, B.A.	Columbus
Stanley Evans Howell, B.A. (Oberlin College)	Detroit, Mich.
Chi Nan Hu, B.S. (Fuh Tan University)	Shanghai, China
Martha Hudson, B.Sc. in Edu.	Columbus
DeWitt Talmadge Hunt, B.Sc. in Edu. (Oklahoma Agricultural and Mechanical College)	Stillwater, Okla.
Eleanor Irene Hyde, B.A. (Ohio Wesleyan University)	South Euclid
Edith Myrtle Keller, B.A. (Ohio Wesleyan University)	Delaware
Horace Francis King, B.A.	Springfield
Harold Wheeler Kramer, B.A.	Mansfield
Edwin Martin John Kretzmann	Orange, N. J.
Bernard Levitin, B.A.	Columbus
Helen Lonas Lieghley, A.B. (Lake Erie College)	Brecksville
Lin Lin, B.A. (Great China University)	Canton, China
Shih Ching Lin, B.C.S. (Chi-Nan University)	Canton, China
Dorothea Christine Loewel, B.Sc. in Edu.	Columbus
Lucile Grace Long, B.S. in Edu. (Bowling Green State Normal College)	Bowling Green
Gertrude Ethel Marshall, B.A. (Ohio Wesleyan University)	Edgerton
Dorothy Evelyn Mason, B.Sc. in Edu.	Columbus
Michael Gerald Mattingly, B.A. (St. Vincent College)	Nashport
William Henry Mautz, B.A. (Ohio Wesleyan University)	Somerset
Lonnie L. May, B.A. (University of Mississippi)	Purvis, Miss.
Clarice Mae McAdow, A.B. (Hiram College)	Peebles
Charles David McMillin, B.Sc. in Agr.	Columbus
Helen Louise McPhail, A.B. (Denison University)	Detroit, Mich.
D'Maris Terman Metzger, B.S. (Purdue University)	Columbus
Katherine Louise Miller, A.B. (Bethany College)	Bethany, W. Va.
Lawrence Wilson Mills, Ph.B. (Kenyon College)	Cleveland
Belford Beetham Nelson, A.B. (Ohio University)	Athens
Margaret Katherine Nesbitt, B.A.	Columbus
Henrietta Nichols, B.A., B.Sc. in Edu.	Columbus
Mary Louene Nissly, A.B. (Wittenberg College)	Hanover, Pa.
Ruth Dorothea Nottingham, B.A.	Cleveland
Clara Virginia Nuber, B.Sc. in Edu.	Columbus
Arthur Don Oakley, B.Sc. in Edu. (Ohio University)	Columbus

\* Two degrees.



Asbury Leonce Oderbrecht, Ph.B. (Denison University).....	Columbus
Burl Neff Osburn, B.A. in Edu. (Iowa State Teachers College).....	Sioux City, Ia.
Dale Forest Poe, B.A. (Ohio Wesleyan University).....	Van Wert
Alwin John Prange, A.B. (Capital University); B.D. (Evangelical Lutheran Theological Seminary).....	Columbus
Elisabeth Ruth Ralph, B.A.....	Cleveland
Faye Bartlett Reeder, A.B. (Oberlin College).....	Columbus
Sarah Grace Rider, B.A. (Ohio Wesleyan University).....	Delaware
David Cecil Rife, B.Sc. in Agr.....	Cedarville
Martin Luther Routson, A.B. (Wittenberg College).....	Bradford
Elmer Baker Royer, B.A. (Manchester College).....	Hollansburg
Mary Elinor Schickedantz, B.A. (Ohio Wesleyan University).....	Selma
Stuart Leeson Schoff, A.B. (Oberlin College).....	Cadillac, Mich.
Clayton Horn Schug, B.A.....	Bellevue
Mary Sophia Seovill, A.B. (University of Michigan).....	Ann Arbor, Mich.
Paul Jacob Seyler, A.B. (Marietta College).....	Marietta
John Howard Sloan, A.B. (Eastern Nazarene College).....	Akron
Robert Hamilton Snively, A.B. (Otterbein College).....	Westerville
Florence Enid Somers, B.A. (Cedarville College).....	Republic
Suzanne Grace Spearman, B.S. in Edu. (Bowling Green State Normal College).....	Findlay
Elmer Henry Sperry, B.S. (The University of the City of Toledo).....	Toledo
Eldon Everett Stahly, A.B. (Bluffton College).....	Danvers, Ill.
Victor Paul Staudt, B.A. (St. Xavier College).....	Canton
Jessie Stephen, B.Sc. in Edu.....	Delaware
Richard Tulloss Stevens, B.Sc. in Bus. Adm.....	Newark
John Wendell Stewart, A.B. (Ohio University).....	Sciencerville
Virginia Stewart, B.A. (Wellesley College).....	Columbus
Mary Elizabeth Stillman, A.B. (University of Michigan).....	Columbus
Robert Granville Stone, B.A.....	Yellow Springs
Elizabeth Tallichet Stout, A.B. (Western College for Women).....	Xenia
John William Theodore Suckau, B.S. (Wheaton College).....	Berne, Ind.
Florence Adelaide Sweet, A.B. (Hillsdale College).....	Sawyer, Mich.
Dorothy LaRose Tarr, B.Sc. in Edu.....	Columbus
William George Thornborough, Jr., B.A.....	Warnock
Roy Woodford Turner, A.B. in Edu. (Fairmont State Normal School).....	Hundred, W. Va.
Samuel Unger, B.A.....	Cleveland
Vivian Oleona Walden, A.B. (Talladega College).....	High Point, N. C.
Herbert Sherwood Warwick II, A.B. (Princeton University).....	Youngstown
Harold Monroe Whitacre, B.S. (Mount Union College).....	Alliance
Ward Almon Whitecomb, A.B. (Denison University).....	Columbus
Harry Sheridan Wilder, B.Sc. in Edu.....	Ashtabula
Donald Emerson Wiley, B.Sc. in Edu.....	Coldwater
Luella Williamson, B.A. (Ohio Wesleyan University).....	Waynesville
Ruby Luella Wolfe, B.A. (The College of Wooster).....	Hudson
Clara Margaret Zettler, B.A., B.Sc. in Edu.....	Columbus

(One hundred and sixteen candidates)

## MASTER OF SCIENCE

Harry Eugene Ashmead, B.E.E.....	Columbus
Allen Langdon Baker, B.Sc. in Agr.....	Cincinnati
Elbert Owen Bolender, B.Sc. in Agr.....	Hilliards
Clarence Bremer, A.B. (Hope College).....	Holland, Mich.
Henry Arthur Carlock, B.S. (Denison University).....	Alexandria
Glenn Stuart Carpenter, B.Sc. in Agr.....	Mt. Vernon
Alan Theodore Chapman, B.S. in Chem. (State College of Washington).....	Vancouver, Wash.
Libin T. Cheng, B.S. (China National Central University).....	Nanki, Sge, China
Frank Esten Cook, B.S. (Roanoke College).....	Salem, Va.
Howard Gilbert Cooper, B.Ch.E.....	Marion
George Blair Crane, B.Sc. in Agr.....	Columbus
Albert Bartlett Davis, B.Sc. in Agr.....	Belle Valley
John Paul Delaplane, D.V.M.....	Greenville
George Robert Eastwood, B.S. in Agr. (University of Kentucky).....	Columbus
Victor August Ekstrom, B.Sc. in Agr. (Purdue University).....	Oak Harbor

James Quincy Gant, Jr., B.A.....	Columbus
Alfred Benjamin Garrett, B.S. (Muskingum College).....	Glencoe
Arthur McKinley Greaves-Walker, B.Sc. in Engr. (North Carolina State College of Agriculture and Engineering).....	Raleigh, N. C.
*Paul Turner Hahn.....	Columbus
Clyde Simpson Holland, B.S. in Agric. (University of Delaware).....	Columbus
Edward Lawson Holmes, B.A.....	Sewanee, Tenn.
Maurice Everett Hull, B.Sc. in Agr.....	New Lexington
Elmer Clio Johnson, D.V.M.....	Lynn, Ind.
Harry Franklin Kenworthy, B.Sc. in Edu.....	Warren
David Samuel Marston, B.A. (Maryville College).....	Loveland
Leon Albert McDowell, B.S. (The College of Wooster).....	Brewster
William Evans McMillan, B.A.....	Elyria
Elizabeth Barbara Mohr, B.A.....	Columbus
Byron Eugene Neiswander, B.Sc., M.D.....	Columbus
Harry Sigfrid Olson, B.Sc. in Phar.....	Ashtabula
Joseph Anthony Orsino, B.A.....	East Cleveland
Yi Ou-Yang, B.S. (Peiping University).....	Changsha, Hunan, China
John Donald Piper, A.B. (Michigan State Normal College).....	Spruce, Mich.
Gertrude Elizabeth Potter, B.Sc. in H.E.....	Worthington
Violet Mildred Raquet, B.Sc. in Edu.....	Columbus
Eugene Adams Rasor, B.A.....	Columbus
Millard Wilbur Rohrbaugh, B.Sc. in Agr.....	Wapakoneta
Lloyd Roscoe Roof, B.Sc. in Agr.....	Dayton
Earl Florian Schaffter, B.S. (The College of Wooster).....	Wooster
Carl Schwartzwalder, B.Cer.E.....	Pomeroy
Gilbert Ysidro Soler, B.Cer.E.....	Columbus
John Gustav Streiffert, B.A.....	Elmore
Harry William Thiemecke, B.Cer.E.....	Pittsburgh, Pa.
Edward Glass Trigg, D.V.M.....	Columbus
William McIntire Tucker, B.Ch.E.....	West Union
Charles Frederic Walker, B.A.....	Columbus
Edward Floyd Wesp, B.S. (The College of Wooster).....	Canton
Yun-Kuei Yang, B.Sc. in Agr.....	Szechuan, China
Irvin Frederick Young, B.S. (Capital University).....	Columbus
Robert Ellsworth Young, B.S. in Agr. (Oklahoma Agricultural and Mechanical College).....	Stillwater, Okla.

(Fifty candidates)

## PROFESSIONAL DEGREES

## COLLEGE OF ENGINEERING

Dean: EMBURY A. HITCHCOCK

## CERAMIC ENGINEER

Edward Orton, Jr., E.M. 1884.....	Columbus
Albert Victor Bleininger, B.Sc. 1901.....	Newell, W. Va.
John Douglas Martin, M.E. 1901.....	New Straitsville
Carl Boileau Harrop, E.M. 1902.....	Columbus
Arthur Fredrick Greaves-Walker.....	Raleigh, N. C.
Joseph Bradfield Shaw, Cer.Engr. 1908.....	State College, Pa.
Frank Harwood Riddle.....	Detroit, Mich.
Wilber Stout, B.E. 1915.....	Columbus
Karl Marx Kautz, B.Cer.E. 1923.....	Abingdon, Ill.

(Nine candidates)

## CHEMICAL ENGINEER

Mathew Michael Braidech, B.Ch.E. 1925.....	Cleveland
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(One candidate)

\* Two degrees.



## CIVIL ENGINEER

Charles Howard Fenstermaker.....	Elizabeth, La.
Kiser Earhart Dumbauld, B.C.E. 1923.....	Columbus
Richard Rayner Grant, B.C.E. 1925.....	Columbus
George Hosken Harding, B.C.E. 1926.....	Louisville, Ky.
(Four candidates)	

## MECHANICAL ENGINEER

Clarence Job Robinson, B.M.E. 1922.....	Wilmington
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## COLLEGE OF LAW

Dean: HERSCHEL W. ARANT

## JURIS DOCTOR

Dale Elmer Bennett, B.A. (Ohio Wesleyan University).....	Columbus
Philip Calvin Ebeling, B.A. (Ohio Wesleyan University).....	Columbus
Jack Kenneth Evans, B.A.....	Columbus
Fred Andrew Smith, B.A.....	Columbus
(Four candidates)	

## BACHELOR OF LAWS

Lloyd Emmett Abel.....	Pennsville
Hugo Alexander, B.A.....	Steubenville
Roland George Allen, B.A. (Ohio Wesleyan University).....	Corning
William Edward Bailey.....	South Charleston
Eberhardt George Belhorn.....	Columbus
William Randolph Bigler, B.A.....	Columbus
Ralph Eugene Carhart, B.A.....	Marion
Vernon Elmer Carter.....	Ashtabula
Arlo Leland Chatfield.....	McArthur
*John Roth Crabbe, B.A.....	Columbus
Frank Fernandez Cuyar.....	Santuree, P. R.
David Henry Dankworth, B.A. (Washington and Jefferson College).....	Bellaire
Emanuel Newton Deitz, B.A.....	Steubenville
Ralph Fuller Dixon.....	Lakewood
Robert Marvin Draper.....	Columbus
William Ervin Dunlap, Jr.....	East Liverpool
Meyer Herman Dunn.....	Cleveland
Louis David Durschnitt.....	Columbus
Carlos Ansley Faulkner, A.B. (Hiram College).....	Kenton
Troy A. Feibel.....	Columbus
Leo Emmett Forquer.....	New Lexington
Irene Fuchs.....	Rochester, Pa.
Irving Ben Garber.....	Cleveland
William Baker Gibson.....	Columbus
Gordon B. Gray, A.B. (Marietta College).....	Marietta
*Earl Nelson Gussett.....	Canton
*Rex William Hanna.....	Kenton
Robert Seymour Hatch.....	Cincinnati
Rutherford Allen Hawley.....	Marysville
Harold B. Hughes, B.A. (Ohio Wesleyan University).....	Newark
Ethel Husselman.....	Lakewood
Charles Owen Jenkins.....	Flushing
Robert Nicholas Krier.....	Columbus
David Kennedy Larrimer.....	Columbus
Harry Leon Lawner.....	Dayton
Willard Marvin Levin, B.A.....	Columbus
LeRoy Vincent Marceau.....	Niles
George Badgely Marshall, B.A.....	Columbus
Raymond Obediah Morgan.....	West Lebanon

\* Two degrees.

Morton Jacob Neipp, B.Sc. in Bus.Adm.....	Oak Harbor
Austin William O'Toole.....	Lorain
Benson Lloyd Owens, B.A.....	Oak Hill
Howard Courtland Park, Jr.....	Columbus
Oscar Otto Raberding, B.A.....	St. Marys
Samuel Aaron Rubenstein.....	Warsaw, Ind.
Marie Suppes Schaffter.....	Wooster
Charles George Schnur.....	Akron
Damon Moore Shaw.....	Shelby
Paul David Smith, B.A.....	Prospect
Dane Oatman Sprankle.....	Youngstown
John Ross Thomas, B.A.....	Columbus
Edwin McKay Tuttle, B.A.....	Sandusky
Joseph Alexander Ujhelyi, B.A.....	Lorain
Karl Hull Weaner.....	Defiance
Frank Witt Wiley.....	Toledo

(Fifty-five candidates)

## COLLEGE OF MEDICINE

Acting Dean: ERNEST SCOTT

## DOCTOR OF MEDICINE

Maurice Clifford Archer, B.A. (Ohio Wesleyan University).....	Delaware
Edward Arnold.....	Cleveland
Milton Frederick Axthelm, B.A. (Ohio Wesleyan University).....	Marion
William Vaughn Banning.....	Mt. Vernon
Joseph E. Bausman, B.A.....	Piqua
*J. Tracy Bennett.....	Columbus
Ray Anderson Bohl, B.S. (University of Akron).....	Akron
*John Paul Bolton.....	Waynesville
Paul Clifton Bratten.....	Dayton
Louis Henry Brooks.....	Cleveland
Simon Solomon Bunin.....	Cleveland
Alice Martina Bustin, B.Sc. (with Honors).....	Cleveland
Frank Cook.....	Columbus
Lloyd Clifford Couchman.....	West Liberty
*Jerry Owen Crist.....	Powell
Isaac Wilson Curtis, B.A. (Muskingum College).....	Summerfield
Hobart Lewis Donohoe, A.B. (Wittenberg College).....	Springfield
Robert Henry Dunn.....	Columbus
Sidney Weiss Durschlag, B.A. (Western Reserve University).....	Cleveland
Charles Wesley Edwards.....	Columbus
*Lowell Ashton Erf.....	Columbus
John James Fahey.....	Steubenville
Robert Leslie Fullerton, B.S. (Denison University).....	Huntsville
Richard Ludwig Garster, B.A.....	West Carrollton
John David Hathaway, B.Sc.....	Mechanicsburg
Frank Bly Heckert.....	Youngstown
Warren Wilson Hicks.....	Hillsboro
Robert Edgar Hughson, Jr., B.A.....	Bluffton
*Thelma Hutchfield.....	Columbus
Merl Moe Jackel.....	Cleveland
Calvin Garnet Jackson, A.B. (Ohio Northern University).....	Rockford
Jack Isadore Jaffa.....	Cleveland
Morris Kalmon, B.S. (University of Akron).....	Akron
Henry William Karrer, E.Sc.....	Dublin
Philip Katz, B.Sc. (West Virginia University).....	Cleveland
Francis Patrick Kintz, B.S. (Denison University).....	Granville
Philip Knies, B.S. (Capital University) (with Honors).....	Columbus
Edward Kuchlewski, B.Sc.....	Cleveland
Abe Kuhr.....	Dayton

\* Two degrees.



Carlos Melvin Larrick, B.Sc.....	Pleasant City
Harold Levi Lawrence, B.Sc.....	Lancaster
Robert Thomas Leever, B. A.....	South Charleston
Emmert Carl Lentz, B.A.....	Dayton
Carl Anthony Lincke, B.A.....	Alliance
Leo Robert Markey, B.A. (Western Reserve University).....	Cleveland
Omar Joseph Massey, B.A., M.A. (University of Pittsburgh).....	West Lafayette
States Donald McCoy, B.S. (University of Akron).....	Akron
David Wade McCreight, B.S. (Muskingum College).....	Willard
Andrew William Miglets.....	Youngstown
*Carl Franklin Moats.....	Mt. Sterling
Milton Caleb Oakes, B.A. (Western Reserve University).....	Medina
John Milton Owen, B.S. (Otterbein College).....	Dayton
Samuel Norman Palevsky, B.A.....	Cleveland
Lawrence George Patterson, B.A. (Bethany College).....	Hopedale
Flora Murphy Pedicord, B.Sc.....	Zanesville
Eugene Walter Peters, B.A. (Western Reserve University).....	Cleveland
Richard Allen Pfarrer.....	Dayton
James Garfield Powell, B.A. (Western Reserve University); B.S. (West Virginia University).....	Cleveland
Ralph Eugene Rasor, B.S. (University of Akron).....	Columbus
Clarence Tower Risley, B.S. (Denison University).....	Conneaut
Carl Gray Rossel, D.D.S.....	Newark
Gordon Edman Savage, A.B. (Marietta College).....	Springfield
Marion Robert Scheetz.....	Coshocton
Irving Lawrence Schonberg.....	Cleveland
Robert Goodrich Smith, B.A.....	Columbus
Ernest James Snyder, B.S. (University of Akron).....	Akron
Myron Edward Speck.....	Youngstown
Ruth Harriett St. John, B.A.....	Columbus
George Yeagley Swickard.....	Steubenville
Berger Thomas, B. A.....	Columbus
Charles Wilbur Thomas.....	Brookville
Stephen Tarnoczi Turney, Jr., B.E.E., B.A.....	Barberton
Adolph William Verhoff, B.A.....	Columbus
Peter Anthony Volpe, B.Sc.....	Columbus
Joseph David Wasserstein, B.A. (Western Reserve University).....	Cleveland
Herman Egbert Wilkinson.....	Columbus
Harold Jennings Wilson, B.A. (Muskingum College).....	Columbus

(Seventy-seven candidates)

## COLLEGE OF DENTISTRY

Dean: HARRY M. SEMANS

## DOCTOR OF DENTAL SURGERY

Thomas Owen Adams.....	Massillon
James Howard Armacoast.....	Greenville
George Bent, Jr.....	Cleveland
Cecil Harold Bondy.....	Crooksville
Carlos Moody Bowman.....	Cutler
Erwin Louis Boye.....	Youngstown
Theodore Virgil Boylan.....	Elyria
Robert Eugene Brawley, B.Sc.....	Greenville
Richard Orpheus Bridges.....	Cleveland
Harold Dana Brown.....	Minersville
Wayne Holland Carpenter.....	Delaware
James Daniel Chessrown.....	Youngstown
Lawrence Dewey Cleek.....	Charleston, W. Va.
Kenneth Maxwell Davis.....	Mansfield
Anthony DeMarco.....	Cleveland
H. Beecher Dierdorff.....	Lakewood

\* Two degrees.

William Henry Dietz.....	Lakewood
Simon Fisher .....	Cleveland
Sol Jacoby Flignor.....	Lorain
Paul Melvin Gibbons.....	Lakewood
Louis A. Glazer.....	Cleveland
Joseph Goeller .....	Circleville
Joseph Samuel Greenfield.....	Cleveland
Riley Lawrence Hardacre.....	Conover
Irvin Edmond Henry.....	Ironton
John David Herrington.....	Warren
Clarence Kanter .....	Cleveland
Max Kessler .....	Cleveland
Kay Kermit Kirk.....	Akron
Arthur Klein .....	Toledo
Basil Eugene Likens.....	Akron
Frank Cirino Liotta.....	Cleveland
John Curtis Lowmiller.....	Columbus
Frank Edwin Manbeck, B.Sc.....	Cleveland
Albert George Matre.....	Reading
Robert Frederick McCarron, B.A.....	Cleveland Heights
Marion Lawrence Mills.....	Swanton
Robert Barry Moyer.....	Mansfield
Irving Lee Naftulin.....	Cleveland
LeRoy Burdette Nagel.....	Columbus
Arthur Anthony O'Brien.....	Toledo
Maurice D. Okum.....	Cleveland
Wilho Matias Orqvist.....	Ashtabula
Alfred Julius Osolin.....	Cleveland
Aaron Peck .....	Dayton
Ray Arleigh Phipps.....	Raymond
Lyle Henry Pitt.....	Akron
Milton Rabine .....	Cleveland
Charles Everett Richner.....	Woodsfield
George Harold Rose.....	Cleveland
John Roth .....	Alliance
George Charles Schaaf.....	Pomeroy
Meyer Schneider .....	Middletown
Oscar W. Schreiber.....	Cincinnati
Dwight Smith Shumate.....	Jackson
Garland Clifford Smith.....	Ironton
Charles Thomas Stingley .....	Wilmington
John Diehl Sulsberger.....	Columbus
Ward Eugene Swinehart.....	Columbus
Harold Ellis Ulrich.....	West Alexandria
August Anthony Urankar.....	Cleveland
Darrel Madden Walters.....	Urbana
Milton Wiesenbergl.....	Cleveland
Hallim Samuel Zarzour.....	Cleveland

(Sixty-four candidates)

## TWO DEGREES

J. Tracy Bennett.....	Columbus
Bachelor of Science	
Doctor of Medicine	
John Paul Bolton.....	Waynesville
Bachelor of Arts	
Doctor of Medicine	
Gilbert Harold Coddington.....	St. Paris
Bachelor of Architecture	
Bachelor of Architectural Engineering	
John Roth Crabbe, B. A.....	Columbus
Master of Arts	
Bachelor of Laws	



Jerry Owen Crist.....	Powell
Bachelor of Science	
Doctor of Medicine	
Kathryn Hall Duffey.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Emily Eilmann .....	Lakewood
Bachelor of Arts	
Bachelor of Science in Education	
Lowell Ashton Erf .....	Columbus
Bachelor of Science	
Doctor of Medicine	
Richard Rayner Grant, B.C.E.....	Columbus
Bachelor of Architecture	
Bachelor of Architectural Engineering	
Earl Nelson Gussett .....	Canton
Bachelor of Arts	
Bachelor of Laws	
Paul Turner Hahn.....	Columbus
Master of Science	
Bachelor of Electrical Engineering	
Wallace Worthy Hall, Jr.....	Chardon
Bachelor of Arts	
Bachelor of Science in Education	
Rex William Hanna.....	Kenton
Bachelor of Arts	
Bachelor of Laws	
Thelma Hutchfield.....	Columbus
Bachelor of Science	
Doctor of Medicine	
Frances Joseph Markey.....	Lewisburg
Bachelor of Industrial Engineering	
Bachelor of Mechanical Engineering	
Carl Franklin Moats.....	Mt. Sterling
Bachelor of Science	
Doctor of Medicine	
Phoebe Arnold Paine.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Marion Henrietta Press.....	Englishtown, N. J.
Bachelor of Arts	
Bachelor of Science in Education	
Mary Alspaugh Racle.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Joseph Rubin Resnick.....	Cleveland
Bachelor of Arts	
Bachelor of Science in Education	
Ada Alberta Smith.....	Adena
Bachelor of Arts	
Bachelor of Science in Education	
Wilhelmina Handley Sprenger.....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Joseph George Svehla.....	Columbus
Bachelor of Electrical Engineering	
Bachelor of Mechanical Engineering	
Thomas Frederick Woodward.....	Germantown
Bachelor of Arts	
Bachelor of Mechanical Engineering	

(Twenty-four candidates)

## BACCALAUREATE DEGREES

## COLLEGE OF AGRICULTURE

Dean: ALFRED VIVIAN

BACHELOR OF SCIENCE  
IN AGRICULTURE

Maynard Bronson Abbott.....	Chippewa Lake
James Jackson Anderson.....	West Mansfield
Frederick Dwight Bates.....	Lancaster
Robert Howard Blosser.....	Bremen
Willard Clayton Boyer.....	Ashland
Leland Burkhart.....	Perrysburg
Edward Milton Caldwell (as of the Class of 1918).....	South Salem
James Howard Constable.....	Blanchester
Paul Leslie Cook.....	Chillicothe
Warren Cooper.....	Ostrander
Frank Sylvester Curtis.....	Pittsburgh, Pa.
Floyd Edward Davis.....	Belle Valley
Roy Edward Detrich.....	Beach City
James Paul Dorrance.....	Adena
Paul Eugene Eyestone.....	Alvada
Edward Henry Feck.....	Carey
Wilfred Allie Fryman.....	Mt. Healthy
Joseph Bernard Fuglein.....	Anchorage, Ky.
Harold George Gibboney.....	Bradford
Ralph Howard Grimshaw.....	Lucasville
Norman Frederick Haas.....	Orrville
Eugene Morris Hanawalt.....	Kenton
James Raymond Harris.....	Malta
Russell Ohmes Hitz.....	Cleveland
Claude B. Hoff.....	New Madison
Clyde Roosevelt Jones.....	Kenton
Heber Eldo Keach, A.B. (Cedarville College).....	Jamestown
Arnold Louis Keller.....	Elyria
Robert Gladden King.....	Hilliards
Howard Nicodemus Lamb.....	Carroll
John Henry Leonard.....	Fredericktown
Verne Linscott.....	Amesville
James Albert McKee (as of the Class of 1909).....	Portsmouth
Ralph William Metz.....	Jackson Center
Luther Eugene Mindling.....	Bayard
Lectrus Grosvenor Morgret.....	East Claridon
Vivian Yeazel Overturf.....	London
Frederick Heuser Perner.....	Cleveland
Thomas Walter Reed.....	Cadiz
Glenn Wade Salisbury.....	Columbus
Gabriel Simon.....	Cleveland
Robert Mumford Smock.....	Erie, Pa.
Harold Metzler Steiner.....	Wapakoneta
John Daniel Strausbaugh.....	Columbiana
Arthur John Stupka.....	Cleveland
Dwight Elisha Teegardin.....	Duval
Clifford Franklin Varney.....	Chardon
Paul Phillip Wallraabenstein.....	Sandusky
Donald Adam Wasem.....	Birmingham
Ralph John Winans.....	Ellsworth
Gardner Bullard Wing.....	Mechanicsburg
Ralph James Woodin.....	Chardon
Ralph Emerson Young.....	Amanda

(Fifty-three candidates)



BACHELOR OF SCIENCE  
IN HOME ECONOMICS

Norma Menettie Aschbacher.....	Oak Harbor
Virginia Ann Bates.....	Columbus
Mabel Elizabeth Beal.....	Dresden
Frances Evelyn Brundige.....	Kingston
Mildred Alice Campbell.....	Lakeville
Clara Virginia Cochran.....	New Matamoras
Janice Mildred Cory.....	Hamilton
Doris Irene Daniels.....	Dola
Elizabeth Irene Davis.....	Brookville
Leora Maxine Drum.....	Woodsfield
Eleanor Jane Eichhorn.....	Columbus
Mary Lucille Elliott.....	Columbus
Genevieve Mae Fluent.....	Cleveland
Mary Alyce Gordon.....	Antwerp
Mary Elizabeth Gordon.....	Lake Cicott, Ind.
Sarah Margaret Gould.....	Waynesfield
Arline May Graff.....	New Philadelphia
Helen Elizabeth Grob.....	Columbus
Dorothy Ella Hatcher.....	Bellefontaine
Hannah Jamieson Herd.....	St. Louis, Mo.
Carrie Evelyn Hetrick.....	Fremont
Mary Josephine Hodock.....	Byesville
Ethel Avenelle Horn.....	Mt. Vernon
Helen Marietta Huffman.....	Bryan
Erma Bertha Jung.....	Cleveland
Florence Rosemary Lenahan.....	Columbus
Katherine Taylor Leonard.....	Columbus
Gertrude McClure Lippincott.....	Cadiz
Gertrude Therese Mahall.....	Lakewood
Mary Lucille McDonald.....	Frazeyburg
Helen Louise Palmer.....	Pataskala
Mildred Lorraine Peters.....	Columbus
Ruth Margaret Reiling.....	Brookville
Winifred Ruth Reynolds.....	Springfield
Mildred Hazel Richards.....	Columbus
Frances Evelyn Richmond.....	Chesterland
Rosemary Theresa Schmidt.....	Columbus
Janet Slemmons.....	Columbus
Doris Lucille Snook.....	Lebanon
Mildred Mary Stafford.....	Loudonville
Emma Anna Steiger.....	Dayton
Alberta Bessie Sutton.....	Columbus
Marion Lee Thomas.....	New Waterford
Frances Thompson.....	Pataskala
Thelma Lee Tyler.....	Cecil
Oca Leona Wade.....	Sharpsburg
Gertrude Belle Weber.....	Garrettsville
Dorothy Helen West.....	Columbus
Dorothy Ellen Whitney.....	Columbus
Dorothy Evelyn Wright.....	Toronto

(Fifty candidates)

## COLLEGE OF ARTS AND SCIENCES

Dean: WALTER J. SHEPARD

## BACHELOR OF ARTS

Charles Frederick Abell.....	Garrett, Ind.
Charlotte Louise Addison.....	Columbus
Mary Esther Albright (with Distinction in Fine Arts).....	Columbus
Robert Frank Aldredge.....	Cleveland
Foster Lightford Alexander.....	Dayton

Chester Hart Allen.....	Portsmouth
Howard Donald Allison.....	Columbus
Clara Virgene Anderson.....	Columbus
Enid Marjorie Anderson.....	Ostrander
Marcus Lovell Anderson.....	Hamilton
Wilson Robert Arnett.....	Botkins
Mary Jane Auld.....	Columbus
Donald Eric Babcock (with Honors).....	Canton
Hugh Jacob Baker, Jr. (with Distinction in Political Science).....	Indianapolis, Ind.
Philip Harriman Baker.....	Columbus
Harold Jerome Barker.....	Lorain
Harold Marcus Baron.....	Cincinnati
John Paul Barrett.....	New Albany, Ind.
James Gorton Bartlett.....	Cleveland
Anne Katherine Bartram (with Distinction in English).....	Columbus
Walter Lester Beadle.....	Newark
Charles Edward Bender.....	Fostoria
David Louis Bernstein.....	Cleveland
Paul Otto Boesel.....	Wapakoneta
John Edmund Bohlender.....	Dayton
*John Paul Bolton.....	Waynesville
Ralph Hurd Bond.....	Worthington
Katherine Margaret Born (with Honors) (with Distinction in French).....	Columbus
Willia Jean Bostwick.....	Mt. Sterling
Mae Margolin Brooks.....	Cleveland
David Brown.....	Columbus
Earl Guy Brown.....	Ashtabula
Carl Raymond Bullock (with Honors).....	Dayton
Charles Ray Burbacher.....	Columbus
Nathan Everett Cadkin.....	Cleveland
Rita Lee Cahill.....	Columbus
John Thomas Calder.....	Martins Ferry
Florence Carr Camp.....	Columbus
Frances Emerson Campbell.....	Logan
Irma Marie Carr.....	Mt. Victory
Daniel Joseph Casey.....	Columbus
David Beecher Chancellor.....	Norwood
Edward Samuel Chapman.....	Cincinnati
Clarence Carl Christman.....	Monroeville
Sam Chudnovsky.....	Dayton
Paul Irven Cloud.....	Bellevue
Reid Mitchell Clutter.....	Columbus
Arthur Robert Cohen.....	Cleveland
Solomon P. Cohen.....	Cleveland
Fred Milton Cole.....	Springfield
Francis Hammond Connors.....	Van Wert
Mary Eleanor Cook.....	Columbus
Genevieve Dollison Corbin.....	Columbus
Charles Brown Crow.....	Racine
Ruth Helene Cunningham.....	Girard
William Edward Daugherty.....	London
Mel Addison Davis (with Honors).....	Columbus
Rose Jeanne Dennis.....	Westerville
Pauline Mary DeVitt.....	Columbus
Pearl Jeanne Dolinsky.....	Cleveland
*Kathryn Hall Duffey.....	Columbus
Saul Harry Dulberg.....	Clifton, N. J.
Earl Lowery Dull.....	Celina
Nancy Tappan Duncan.....	Columbus
Winifred Duval.....	Columbus
George Jesse Eckhardt.....	Germantown
*Emily Eilmann (with Honors).....	Lakewood

\* Two degrees.



Macin Edgar Estill.....	Millersburg
John Aloysius Ey, Jr.....	Columbus
Melvin Frederick Eyerman.....	Columbus
John George Feder.....	Galloway
Karl Henry Feistkorn.....	Columbus
Rosemary Fetsch (with Honors).....	Columbus
Jacob Fidelholtz .....	Canton
William Norman Fingerbut.....	Dayton
Gertrude Isabel Frame.....	Columbus
Myron Abraham Freilich.....	Zanesville
John Bernard Fried (with Honors) (with High Distinction in Chemistry).....	Brooklyn, N. Y.
Bernard Friedman .....	Warrensville Heights
David Lieber Friedman.....	Toledo
Berdine Gaar .....	Campbellstown
Rebecca Beatrice Garbe.....	Toronto
David Lionel Gerstenfeld.....	Columbus
Nathan Ginsburg .....	Marietta
Isadore Goldberg .....	Columbus
Pauline Elizabeth Graham.....	Lancaster
Theodore William Gregg.....	Centralia, Ill.
Julie Irene Grove.....	Columbus
Earl Nelson Gussett.....	Canton
Harry Gutterman .....	Cleveland
Eleanor Martin Hall (with Honors) (with High Distinction in English).....	Columbus
*Wallace Worthy Hall, Jr.....	Chardon
Martha Stancilffe Hamilton.....	McArthur
*Rex William Hanna.....	Kenton
Hyman Hanson .....	Akron
Mary Harbage (with Honors) (with Distinction in History).....	London
Irvin Wilbur Harper.....	Martinsville
Clarence Samuel Harris.....	Bedford
Harold Curtis Harsh.....	Harlem Springs
Virginia Marion Hawkins.....	Columbus
Andrew Hedmeg .....	Barberton
George Augustus Heffner.....	Lima
William August Hendrickson.....	Erie, Pa.
Cecelia Herbach .....	Philadelphia, Pa.
Guilford Bert Hoiston.....	Cleveland
Dorothy Jean Hooper.....	Columbus
Leona Gladys Rogers Hornor.....	Clarksburg, W. Va.
Paul Irwin Hoxworth.....	Columbus
Houston Kermit Hunter.....	Welch, W. Va.
Dena Jevaa .....	Sandusky
Frederick Hoover Johnston.....	Columbus
Paul Davis Jones.....	Cincinnati
Richard Wayland Jones.....	Zanesville
Julius Joseph Kaiserman.....	Ashville
Sam Kaufman .....	Wilmington
Martin Crittenden Kelley.....	Cleveland
Nash Adrian Kelley.....	Columbus
Harry Bernard Ketter.....	Mantua
Ralph Dwight King.....	Findlay
William Edward Knepper.....	Columbus
Clarence Samuel Koltun.....	Columbus
Raphael Linbur Konigsberg.....	Cleveland
Cecelia Hadeline Krakoff (with Honors).....	Columbus
Margaret Louise Kramer.....	Columbus
Lurette Helen Kuhlman, B.Sc. in Edu.....	Toledo
Bernard Vincent Lally.....	Niles
Edward Carl Lancer.....	Cleveland
Josephine Irene Lang.....	Columbus
Nicholas Joseph LaTorraca.....	Cleveland

\* Two degrees

Christine Milligan Laughlin.....	East Liverpool
Benjamin Levin .....	Barberton
Isadore Harry Levine.....	Cleveland
David Raymond Lewis.....	Lilly Chapel
Martha Elizabeth Lindsay (with Honors) (with High Distinction in Physiology).....	Cleveland
Leon Martin Lippman.....	Newark, N. J.
Emelia Littlefield .....	Columbus
Mao-Te Lo .....	Chengtu, Szechuan, China
Julius William Long (with Honors).....	Bellefontaine
William Carl Long.....	Worthington
Cathryn Pauline Lorenzen.....	Huron
Paul Herman Lorhan.....	Cleveland
Robert Emerson Lowry.....	Columbus
Chi-Hua Lu.....	Nanning, Kwangsi, China
Barney Malbin.....	Cleveland
Clark Delmar Mantz.....	Audubon, Ia.
Eleanor Marshall.....	Columbus
Dorothy Seville Martin.....	Columbus
Keith Martin.....	Mansfield
Sarah Elizabeth Martin (with Honors) (with Distinction in French).....	Cleveland
Arline Lorraine Mason.....	Columbus
Catherine Southworth Matthews.....	Columbus
Thurman Francis McAllister.....	Birds Run
Margaret Anne McCloud.....	Columbus
Richard LeRoy McFarland.....	Columbus
James Holt McGavran.....	Cadiz
Florence Cockrell Melvin.....	Columbus
Albert Curtis Miller.....	Columbus
Cloy Miller.....	Smithville
Margaret Carlisle Miller (with Distinction in English).....	Indianapolis, Ind.
Michael Morgan Miller.....	Cleveland
Gussie Woodward Mitcheli.....	Youngstown
Edward Lee Montgomery.....	Xenia
Myron Ernest Moorehead.....	Zanesville
Martha Viretta Mote.....	Dayton
Agnes Bennett Murphy (with Honors) (with High Distinction in Sociology).....	East Cleveland
Lois Faith Nason.....	Hollywood, Cal.
Hubert Leland Nichol, Jr.....	Columbus
Arnold Theodore Nordsieck.....	Indianapolis, Ind.
Emory Norris.....	Harrisburg
Marbury Bladen Ogle, Jr.....	Columbus
Harold Wilton Overman.....	Columbus
*Phoebe Arnold Paine (with Honors).....	Columbus
Alva Justin Payne.....	Wilgus
Joseph Anthony Pietrafese.....	Cleveland
Clara Virginia Poff.....	Columbus
Hazel Edith Pope (with Honors).....	Columbus
Ned Dingman Potts.....	Columbus
Gertrude Gennis Pratt.....	Columbus
*Marion Henrietta Press.....	Englishtown, N. J.
Adam Selby Price.....	Leesville
Esther Jane Prunty.....	Columbus
*Mary Alspaugh Racle (with Distinction in English).....	Columbus
Susie Cornelia Rainier.....	Groveport
*Joseph Rubin Resnick .....	Cleveland
Lloyd Walter Reynolds.....	Akron
Marian Louise Riggs.....	Toledo
George Ray Roberts.....	Columbus
William Karl Romoser.....	Columbus
Milton Jacque Rose.....	Cleveland
Pauline Marion Rosenblum.....	Sharon, Pa.
Paul Phillip Rothert.....	Fort Wayne, Ind.

\* Two degrees



Nina Eleanor Runyan.....	Pensacola, Fla.
Mary Josephine Sabine (with Honors).....	Columbus
Bella Scholer.....	New Rochelle, N. Y.
Albert Louis Schonberg.....	Cleveland
Donald Albert Schramm.....	Columbus
Wirt Stanley Scott, Jr. (with Honors).....	Columbus
Dorothy Evelyn Sedgwick.....	Martins Ferry
Marion Russell Shafer.....	Columbus
Elizabeth Shaul.....	Bryan
Frank Collins Shearer.....	Columbus
Paul Phillip Shearer.....	Columbus
Sol David Shor.....	Cincinnati
Edward Christian Simmons (with Honors) (with High Distinction in Economics).....	Pittsburgh, Pa.
Samuel James Simmons.....	Pittsburgh, Pa.
Frances Gerarda Slanina (with Honors).....	Lorain
*Ada Alberta Smith.....	Adena
Herman Cooper Smith.....	Cleveland
Maxine Wigner Smith.....	Lancaster
*Wilhelmina Hadley Sprenger.....	Columbus
Samuel Morris Steward (with Honors).....	Columbus
Emily Ruth Stout.....	Columbus
Camille Louise Stowe.....	Cleveland
John Courtright Talbott (with Distinction in History).....	Carroll
Virginia Shattuck Taylor (with Honors).....	Columbus
Wildah Mae Turnbull (with Honors).....	Columbus
Harold Unger (with Honors) (with Distinction in German).....	Cleveland
Carl Ernest Venard.....	Columbus
Charles Henry Voelker.....	Pataskala
Ruth Evelyn Vorce.....	Columbus
Charlotte Ann Waddell.....	Columbus
Gertrude Adele Wagner.....	Cleveland
Charles Cecil Walters.....	Barnesville
Kenneth Edward Ward.....	Toledo
Richard Thurman Wareham.....	Shelby
John William Wargo.....	Belle Valley
Alfred Nelson Watson.....	Columbus
James Jacob Weaver.....	Crooksville
Julius Rudolph Weinberg.....	Zanesville
Adolph David Weinberger (with Honors).....	Columbus
Halley Werner.....	Long Branch, N. J.
Gladys Whitcomb.....	Columbus
John Willis Whiteside.....	Spring Valley
William George Wilcox.....	Springfield
Robert Lee Wills (with Honors) (with Distinction in Economics).....	Waverly
Ethel May Winterhalter.....	Dayton
Frances Elizabeth Wise.....	Ottawa
*Thomas Frederick Woodward.....	Germanatown
Jean Hancock Woolford (with Honors).....	Hamilton
Charlotte Helen Worrell.....	Columbus
David Yospur.....	Cleveland
Margot Hazel Younger.....	Columbus
Rosalind Ziskind.....	Greensburg, Pa.

(Two hundred and forty-three candidates)

#### BACHELOR OF SCIENCE

Donald Judson Alspaugh.....	Amanda
*J. Tracy Bennett.....	Columbus
Edgar Keene Black.....	Columbus
James Alfred Black.....	Madeira
Henry Albert Burstein.....	Cleveland
*Jerry Owen Crist.....	Powell

\* Two degrees

Horace Blessing Davidson.....	Columbus
James Disalvo.....	Cleveland
*Lowell Ashton Erf.....	Columbus
*Thelma Hutchfield.....	Columbus
Sanford Alvin Luria.....	Cleveland
Warren Franklin Mills.....	Cuyahoga Falls
*Carl Franklin Moats.....	Mt. Sterling
Leo Moskowitz.....	Cleveland
Byron Ludwig Steger.....	Bucyrus
Francis Merwin Wadsworth.....	Lindsey

(Sixteen candidates)

## COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: WALTER C. WEIDLER

BACHELOR OF SCIENCE  
IN BUSINESS ADMINISTRATION

Oscar Walthoe Allen.....	Pomeroy
John Mark Allgyer.....	West Liberty
Robert Frew Anderson.....	New Philadelphia
Frank Delmar Arn.....	Westerville
Clement T. Ater.....	Williamsport
James Edwin Banta.....	Columbus
Gerald Albert Baynes.....	Hamilton
Rob Roy Begland.....	New Straitsville
Harold Wilbur Bolin.....	Zanesville
Philip Carpel.....	Cleveland
Tolbert L. Christman.....	Eaton
Fred Edward Cochran.....	Columbus
James Leroy Cochrell.....	Toledo
Richard Winston Cook.....	Cleveland Heights
Frank Goble Corbin.....	Worthington
Robert Corbin.....	Troy
Margaret Cecille Cronin.....	Columbus
Forrest LeRoy Damon.....	Brunswick
Albert Vernal DeFosset.....	Columbus
Gilbert Lucas DelValle.....	San Juan, P. R.
Milford Nathan Dickman.....	Cleveland
Charles William Dozer.....	Columbus
Gladys Drill.....	Greenville
Harold Osborne Duncan.....	Columbus
Warren Edward Durstine, Jr.....	Cleveland
George Jay Dyer.....	Columbus
Howard Alvin Everett.....	Columbus
Royce Francis Eyerman.....	Columbus
Wilbur Dean Fairley.....	Greenfield
James Freer Faunce.....	Youngstown
Lois Hanna Fenton.....	Winchester
Myron Everett Foote.....	Brooklyn Station
George Edgar Fouch.....	Columbus
Julius Edward Fried.....	Cleveland
Robert Leon Furry.....	West Manchester
Harry Gateman.....	Youngstown
Urban Joseph Gerdes.....	Coldwater
George Arthur Greer.....	Columbus
Charles Warren Griffith.....	Columbus
Charles Marshall Hannum.....	Columbus
Louise Jean Harrington.....	Dayton
Louis Bell Harris.....	Pittsburgh, Pa.
John Nathaniel Hart.....	Chesterhill
Jack McCune Henderson.....	Toledo
George Frederick Henning.....	Columbus

\* Two degrees.



Willard Nelson Henninger.....	Cleveland
Homer Hudson Henrie.....	Xenia
Thelma Louise Hoffman.....	Columbus
Merwin Leroy Hoover.....	Columbus
Joseph Jeffrey Horst.....	Columbus
John Edward Hughes.....	Bradford
William Henry Johnson.....	Columbus
Osie Richard Johnston.....	Union City, Ind.
Edward Thurman Jones.....	Columbus
Donald Franklin Kepple.....	Akron
Elizabeth Kilbourne.....	Columbus
Foy David Kohler.....	Toledo
John Braddock Krizer.....	Bremen
David Ewald Kuenzel.....	New Bremen
Arthur Richard Larkins.....	Cleveland Heights
Charles Richard Larkins.....	East Liverpool
Ronald Frederick Lauer.....	Lower Salem
Ramon Eugene Lawrence.....	Amanda
Homer Wesley Lee.....	Columbus
Samuel Herbie Lessam.....	Cleveland
Irven Philip Levenson.....	Cincinnati
John Herman Long.....	Bucyrus
Lewis Henry Longanbach.....	Fremont
Gladys Ethel Loudenslager.....	Columbus
Charles John Lynch.....	Columbus
Robert Gustave Marquardt.....	Columbus
Edwin Smith Martin.....	Mansfield
Lewell Newton Mays.....	Findlay
Arden Leo McConnell.....	Massillon
Charles Richard McKinney.....	Tiffin
Richard Barrett Merrick.....	Conneaut
William Hill Metzger.....	Okmulgee, Okla.
Thomas Bernard Michalak.....	Dunkirk, N. Y.
Paul Millikin.....	Columbus
Mary Louise Minnich.....	Zanesville
Don Wilson Monnett.....	Thurston
William Haupt Montgomery.....	Toledo
David Charles Morgan.....	Columbus
Kenneth Grahame Morris.....	Zanesville
Charles Arthur Mumma.....	Leesburg
David A. Nadell.....	Columbus
Robert Miller Nelson.....	Greenfield
Theodore Frederick Nickel.....	Youngstown
Frederic Clayton Parcher.....	Columbus
John Schofield Patterson.....	Chesterhill
Robert Peebles.....	Rushtown
Carl Jelmer Peterson.....	Erie, Pa.
Lee Berton Peterson, Jf.....	Steubenville
Martha Elizabeth Poffenberger.....	Portsmouth
Abner Pomeranz.....	New York, N. Y.
Warren Augustus Post.....	Ashtabula
Charles Lorenze Pounders.....	Youngstown
Charles D. Renouf.....	Kent
Carl George Rentschler.....	Cleveland
Katherine Crew Richwine.....	Columbus
Milton Arthur Rideout.....	Toledo
Matthew Goodwin Roberts.....	Columbus
Rose Rosen.....	Clarksburg, W. Va.
Harry Hurson Ross, Jr.....	Massillon
Alice Louise Russell.....	Pomeroy
Dorothy Lindsey Russell.....	Pomeroy
Robert LeRoy Schultz.....	Lorain
Myron LaVerne Shaw.....	Youngstown
Ernest E. Shumaker.....	New Bethlehem, Pa.

John Mindon Sloan.....	Youngstown
Clarence Leroy Smith.....	Massillon
Frank Graham Smith.....	Columbus
Ralph Gibson Smith.....	Columbus
Roland Beatcher Smith.....	East Cleveland
Van William Snider.....	Columbus
Marguerite Ellen Steele.....	Columbus
Carl William Steiss.....	Dayton
Ralph Wylie Sterling.....	Kittanning, Pa.
John Clifford Stiles.....	Lima
Homer Fox Strangways.....	Erie, Pa.
Ben Suid .....	Cleveland
John Edward Sullivan.....	Cleveland
Andrew Roy Truelson.....	Conneaut
Jay Allen Van Swearingen.....	Columbus
George Emerson Walters.....	Columbus
John Paul Kenneth Wasley.....	Empire
Sanford Weinberg .....	Cleveland
Louis Joseph Weiss.....	Columbus
Harold Francis Welde.....	Ottawa
Marjorie Cornelia Whitaker.....	Columbus
Homer Milton White.....	Canton
Joseph Harold Williams.....	Emlenton, Pa.
Richard Heiss Willis.....	Erie, Pa.
Paul Willour .....	Wooster
John Floyd Wilson.....	Kenton
Irwin Isaac Wolf, B.A.....	Columbus
Charles Floyd Wolfe.....	Nelsonville
Elizabeth Virginia Wood.....	Bloomfield, N. J.
John R. Wood, Jr.....	Bloomfield, N. J.
Herman Frank Wulle.....	Columbus
John Lind Zinsmaster.....	Navarre

(One hundred and forty-one candidates)

#### BACHELOR OF SCIENCE IN JOURNALISM

Mary Edith Boltz.....	Parkersburg, W. Va.
Dorothy Mary Carew.....	Youngstown
Henry Ford Carr.....	Mansfield
Jack Joseph Cassler.....	Cleveland
Mary Virginia Drayer.....	Columbus
Alvin Henry Frye.....	Huron
Marian Elaine Gibson.....	Columbus
Janette Truesdell Harrington (with Honors).....	Columbus
Malcolm Douglas Hartley.....	Pomeroy
Isabel Kinsman Hatton.....	Columbus
Pearl Amelia Holko.....	Cleveland
Beatrice Elsie Holmes.....	Ashland
Margaret Field Jarvis.....	Clarksburg, W. Va.
Nicholas Mamula .....	Clairton, Pa.
Edna Lillian Maynard.....	Ashtabula
Charles Francis McGrath.....	Norwood
Irene Delee McKinley.....	Columbus
George Petuska .....	Cleveland
James Ralph Rumble.....	Scott
Edwin Aquila Schoenleb.....	Marysville
Kathleen Adele Schoenlein.....	Pomeroy
Ronald Traxler Shoup.....	Shelby
Russell Gordon Silver.....	Detroit, Mich.
Thomas Eugene Stull.....	Coshocton
Virginia Hall Trannett.....	Columbus

(Twenty-five candidates)



BACHELOR OF SCIENCE  
IN SOCIAL ADMINISTRATION

Russell Walser Bope.....	Newark
Harriet Buell Davock.....	Cleveland
Agnes Grace Drexel.....	Zanesville
Alyce Florence Dunlap.....	Chillicothe
Mary Louise Fry.....	Columbus
Ruth Miriam Knapp.....	Dayton
Earl Lamon Koos.....	Dover
Elizabeth Ann Milholland.....	Wilksburg, Pa.
Edna Harriett Newman.....	Cleveland
Marianna Helen Pritchard.....	Columbus
Lillian Richman.....	Orlando, Fla
Mary Elora Rudolph.....	Columbus
Jeannette Elvina Sherwood.....	Columbus
Nell Stetelman.....	Columbus
Winifred Alice Warner.....	Columbus
Esther Elizabeth Wellman.....	Marietta

(Sixteen candidates)

COLLEGE OF EDUCATION  
Dean: GEORGE FREDERICK ARPS

BACHELOR OF SCIENCE  
IN EDUCATION

Ada Beatrice Aderholt.....	Columbus
Mary Charlotte Alderman.....	Geneva
Margaret Ree Allen.....	Ironton
Willard Delos Altman.....	West Unity
Margaret Irene Anderson.....	Columbus
William Burton Aukerman.....	Martins Ferry
Helen Elizabeth Axline.....	Columbus
Marjorie Henderson Axline.....	Zanesville
Bernice Francis Bair.....	Chico, Cal.
Bonnie Baker.....	Waldo
Elizabeth Julia Baker.....	Rushville
Mary Ethel Baker.....	New Matamoras
Helen Francis Barr.....	Columbus
Mary Ann Barr.....	Sandusky
Elizabeth Cathryn Baughman.....	Columbus
Dora Elizabeth Bear.....	Osborn
Elizabeth Francis Beil.....	Greenville, Pa.
Frances Harriet Bein.....	Mansfield
Janis Elizabeth Bishop.....	Columbus
Virginia Caroline Bittle.....	Lewisburg
Gwendolyn Hazel Blair.....	Columbus
Katherine Blenkner.....	Columbus
Dorothy Jeanne Blosser.....	Edgerton
Rose Julianne Boczek.....	Cleveland
Robert Parks Boggs.....	Cleveland
Ethel Virginia Bolin.....	Columbus
Sara Bomberg.....	Lorain
Mary Amelia Boyer.....	Canal Winchester
Emily Jane Braun.....	Columbus
Mary Elizabeth Bruehlman.....	Woodville
Ruth Butler.....	Columbus
Lulu Selma Case.....	Powell
Mary Katherine Case.....	Delaware
Esther Stritmatter Caslow.....	Cincinnati
Edna Mae Chambers.....	Mt. Vernon
Paul Meridith Chism.....	Rushsylvania
Margaret Elizabeth Cole.....	Hartville
Martha Collicott, B.A.....	Columbus

Sarita Conrad.....	Brownsville, Tex.
Madge Lily Cooper.....	La Rue
Irene Louise Corson.....	Hopewell
Elner Juanita Courtney.....	Columbus
Hazel Adele Crawford.....	Columbus
Elsie Mabel Criger.....	Carey
Virgil Leon Crunkilton.....	Butler
Marion Fergus Cumberland.....	Columbus
Virginia Cunningham.....	Dayton
Donna Ruth Curl.....	Columbus
Gertrude Elizabeth Davis.....	Columbus
Gertrude Yetta Dedrich.....	Waterville
Alice Platt Deeg, B.A.....	Columbus
Clara Alwina Deerhake.....	St. Marys
Ralph Christopher DeVore.....	Columbus
George Leroy Dick.....	Cleveland
Katherine Lucille Dorsey.....	Lorain
Pearl Gail Dorsey.....	Findlay
Elizabeth Skinner Drake.....	Dayton
*Kathryn Hall Duffey.....	Columbus
Anna Harriett Dulin.....	Columbus
Cleo Lewis Dumaree.....	Columbus
Madelyn Claire Edam.....	Lakewood
*Emily Eilmann.....	Lakewood
Harold Alfred Ervin.....	South Vienna
Sara Louise Ervin.....	Columbus
Marie Katheline Eschleman.....	Columbus
Emma Dominek Everson.....	Cleveland
Mary Abigail Fluke.....	Ashland
Lawton Jason Fontaine.....	Akron
Mary Evelyn Poor.....	Groveport
Mary Frances Fox.....	Columbus
Morris Fox.....	Columbus
Rosalie Lillian Friedman.....	Cleveland
Mary Marguerite Gaal.....	Columbus
Harry Geltz.....	Alliance
Vivien Edythe Gerber.....	Columbus
Edith Claudia Gibson.....	Columbus
Harriet Sarah Gilcrest.....	Canton
Romaine Gilpin.....	Columbus
Charles Lant Glenn.....	Columbus
Katherine Frances Glick.....	Columbus
Rose Betty Goldberg.....	Cleveland
Lorene May Goldstein.....	Youngstown
Enid Madeline Graham.....	Clarksburg, W. Va.
Emily Lucille Groby.....	Dayton
Grace Elnora Groff.....	Columbus
Frances Louise Gross.....	Columbus
Martha Gurevitz.....	Columbus
Leonora Evelyn Hall.....	Shadyside
*Wallace Worthy Hall, Jr.....	Chardon
Mildred Edna Hampton.....	Columbus
Rose Mary Hanish.....	Columbus
Virginia Augusta Harness.....	Marietta
Grace Louise Harrison.....	Camp Chase
Elmo Everett Harshfield.....	East Liberty
Vivian Yvonne Hart.....	Williamsfield
Ransom Lawrence Hassel.....	Chardon
Mary Baldwin Hauck.....	Toledo
Margaret Catherine Heil.....	Groveport
Emmalou Helser.....	Columbus
Agnes Marie Heskett.....	Columbus

\* Two degrees.



Lelah Christena Hess.....	Bowdill
Eugene Albert Hidden.....	Columbus
Conard Alonzo Hildebrant.....	Xenia
Catherine Irene Hill.....	Marietta
Janet Miriam Hinz.....	Toledo
Edgar Adolph Hiser.....	Columbus
Elsie Claire Hofer.....	Akron
Gertrude Maria Hohrath.....	Norwood
Florence Ruth Holecomb.....	Conneaut
Clara Von Der Au Horst.....	Columbus
Howard Stanley Hoyman.....	Lancaster
Frances Catherine Huber.....	Marysville
William Charles Huffman.....	Columbus
Mary Margaret Hughes.....	New Concord
Frederick Bancroft Hunt.....	Glen Ridge, N. J.
Helen Margaret Hliff, B.A. (Cedarville College).....	Cedarville
Bernice Jacoby.....	Columbus
Kathryn Juanita James.....	Columbus
Veryl Gladys James.....	Kenmore
Roger Washington Johnston.....	Hicksville
Rosalie Ruth Johnston.....	Columbus
Elizabeth Rowe Jones.....	Jackson
Grace Darling Jones.....	Columbus
Sara Elizabeth Kasler.....	Crooksville
Evelyn May Kerns.....	Columbus
Ruth Emily Kidwell.....	Hilliards
Lois Kirkpatrick.....	Columbus
Lillian Marie Kollsmith.....	Delpfos
Mignonette Christina Kregenow.....	Cleveland
Marian Bernice Kromer.....	Columbus
Virginia Krumm.....	Columbus
George Asa Lanzendorfer.....	Cleveland
Donald Edward Lea.....	Warren
Ada Lucile Lee.....	Cambridge
Alberta Annette Lee.....	Coshocton
Mildred Lucile Lehman.....	Columbus
Florence Helen Levin.....	Columbus
Imogene Louise Lewis.....	Wilmington
Mary Helen Lewis.....	Celina
Dorothy Jane Lord.....	Columbus
Garnet Harriet Mann.....	Columbus
Alice Dorothy Maple.....	Grafton
Virginia Elizabeth Marker.....	Van Wert
Gilbert Anthony Martello.....	Ashtabula
Jacob Herman Martin.....	Bellaire
Mary Catherine Martin.....	Marion
Nancy Jane Mason, B.A.....	Columbus
Herbert Umeki Matsumori.....	Columbus
Ruth C. Maxwell.....	Reynoldsburg
Alice Ada May.....	Circleville
Ruth McConnell.....	Columbus
Orin Guilford McGlone.....	Ashville
Nancy Shotwell McLaughlin, B.A. (Lake Erie College).....	Columbus
Cona Baldrige McNabb.....	Zanesville
Frank Swain McWhinney.....	Campbelltown
Ethel May Meermans.....	Cleveland
Geraldine Emma Missback.....	Cleveland
David Patton Morrison.....	Columbus
Aleen Kahle Mowen.....	Lima
Ann Lauret Nealon.....	Cleveland
Edith Frances Newell.....	Columbus
Emma Marie Newell.....	Bellefontaine
Lucile Mary Nixon.....	St. Paris

Geraldine Cecelia Oberle.....	Cleveland
Marjorie Isabel Ossing.....	Columbus
*Phoebe Arnold Paine.....	Columbus
Madeleine Isabelle Parkison.....	Columbus
Maude Ellen Patrick.....	Marengo
Alice Gertrude Peck.....	Shaker Heights
Ann Jane Perdue.....	Columbus
Alfred John Philby.....	Sandusky
Elizabeth Porter.....	Elgin, Ill.
Martha Ashton Postle.....	Columbus
*Marion Henrietta Press.....	Englishtown, N. J.
Phyllis Mena Priore.....	Columbus
*Mary Alspaugh Racle.....	Columbus
Mary Alice Ralston.....	Kenton
Robert Edward Randall.....	Urbana
Esther Ranz.....	Blue Ash
Leonard Walter Reed.....	Piqua
Rosetta Elizabeth Reese.....	Columbus
*Joseph Rubin Resnick.....	Cleveland
Carolyn Ruth Richards.....	Zanesville
Carrie Kathleen Rinehart.....	Rawson
Fanchion Davise Robb.....	Columbus
Mary Gretchen Roberts.....	Hilliards
Martha Dorothy Robertson, B.A.....	Columbus
Mylin Hatfield Ross.....	Lebanon
Sarah Louise Rothschild.....	Nashville, Tenn.
Margaret Isabel Rupp.....	Cleveland
Helen Elizabeth Sandfort.....	Columbus
Caroline Hoover Sanford.....	Columbus
Frances Ruth Schaefer.....	Columbus
Katherine Louise Schafer.....	Columbus
Clara Margaret Schneider.....	Columbus
Catherine Mitchell Schramm.....	Columbus
Mary Jean Seabright.....	Columbus
Harry Benjamin Sefton.....	Dayton
Lillian Ruth Segel.....	Cleveland
Genevieve Addie Seibel.....	Columbus
Alice Catherine Selby.....	West Middletown
Samuel Thomas Selby.....	West Middletown
Mima May Shade.....	Delaware
Nelle Shaw.....	Gallipolis
Dorothy Laurene Shoots.....	Bellefontaine
Blanche Gillespie Simpson.....	Steubenville
Marie Paula Skodak.....	Lorain
Beatrice Ellen Slusser.....	Vaughnsville
*Ada Alberta Smith.....	Adena
Hattie Brooks Smith.....	Columbus
Sarah Condon Smythe.....	Utica
Dorothy Jane Snashall.....	Columbus
Mary Caroline Snell.....	Greenville
Thelma Christine Sparrow.....	Columbus
*Wilhelmina Hadley Sprenger.....	Columbus
Jesse Arthur Stewart.....	Columbus
Sara Eleanor Sykora.....	Cleveland
Helen Louise Tenney.....	Toledo
Mary Ida Thomas.....	Columbus
Marion Louise Thompson.....	Columbus
Ruth Naomi Thompson.....	Cleveland
Zara Timmerman.....	Oak Harbor
Ralph Herman Trivella.....	Columbus
Helen Rebecca Trotter.....	Columbus
Wilma Ethel Turner.....	Orient

\* Two degrees.



Ada Bernice Turowski.....	Youngstown
Ruth Ullery .....	Covington
Katherine Bartlett Usry.....	Columbus
Marion Dorothea Vollmer.....	Columbus
Margaret Janice Vorhees.....	Columbus
Mildred Claire Walker.....	Coshocton
Bernard Joseph Walters.....	Cleveland
Kathleen Evelyn Warren .....	Columbus
Charles Manville Watson.....	Orwell
Helen Tucker Weir.....	Eaton
Catherine Virginia Wertz.....	Wooster
Chester Albert Wherry.....	East Liverpool
David Marsh Wherry .....	East Liverpool
Carolyn Jean Whitecomb.....	Columbus
Evalyn Ruth White.....	Kenton
Evelyn Marie Wilcox.....	Ada
Frances Delta Williams.....	Wadsworth
Walter Rollin Williams.....	Unionville Center
Edna Elizabeth Wolf.....	Columbus
Maxwell Kingsbury Workman.....	Zanesville
Henry Bush Wright.....	Cincinnati
Mildred Bertha Young.....	Columbus
Sigmund Joseph Zarembski.....	Toledo
Mabel Irene Zulauf.....	Mt. Gilead
Ruth Ann Zurmehly.....	Lima
Bessie Louise Zwelling.....	Zanesville

(Two hundred and fifty-one candidates)

## BACHELOR OF FINE ARTS

Ernest Leroy Dewald (Landscape Architecture).....	Cleveland
Dorothy Stewart Dillon (Fine Arts).....	Fostoria
Phyllis Anne Krumm (Fine Arts).....	Columbus
Harvey Leslie Moody (Ceramic Art).....	Zanesville
Wilbur McCoy Smith (Ceramic Art).....	Zanesville

(Five candidates)

## COLLEGE OF ENGINEERING

Dean: EMBURY A. HITCHCOCK

## BACHELOR OF ARCHITECTURE

*Gilbert Harold Coddington.....	St. Paris
C. Ralph Fletcher.....	Columbus
*Richard Rayner Grant, B.C.E.....	Columbus
John Peter Jung .....	Norwood
Robert Stanley Loney.....	Columbus
Glenn Lloyd Roberts.....	Columbus
John Walter Severinghaus, B.A. (Ohio Wesleyan University).....	Portsmouth
Herbert Hugh Smith.....	East Cleveland
Keener Glenn Smith.....	Painesville
Lloyd Morgan Yost.....	Wilmette, Ill.
Hilda Young .....	Columbus

(Eleven candidates)

## BACHELOR OF ARCHITECTURAL ENGINEERING

William Harrod Adrian.....	Columbus
Gabriel Blumer .....	Columbus
*Gilbert Harold Coddington.....	St. Paris
Robert C. Durain.....	Lancaster
*Richard Rayner Grant, B.C.E.....	Columbus
Tod Charles William Isaacs.....	Struthers
Justus Milton Koch.....	Columbus

\* Two degrees.

Francis Lucien Marinelli.....	Youngstown
Edward Matthew Sevcik.....	Cleveland
Paul Cary Winters.....	Columbus
Tam Wong.....	Hong Kong, China

(Eleven candidates)

## BACHELOR OF CERAMIC ENGINEERING

Donald Wallace Armstrong.....	Lima
Alfred Smith Ault.....	Columbus
Donald Richard Baker.....	Bucyrus
Donald Lee Bensinger.....	Lodi
Glenn George Bernard.....	Dover
Frank Moreland Edwards.....	Ironton
Robert Daniel Evans.....	Columbus
Harry David Foster, B.E.....	Columbus
Walter Baker Hayes.....	Lima
Paul George Herold.....	Columbus
Robert William Hopkins.....	Portsmouth
Paul Russel Jones.....	Columbus
Stanley Leaver.....	Shawnee
Frederick Raymond Neel.....	Columbus
William Melanchthon Peach.....	Columbus
Charles Eaton Rudin.....	Elyria
John Theodore Sellers.....	Wellston
Jack Edwin Trees.....	Columbus
Milton Henry Waldschmidt.....	Columbus

(Nineteen candidates)

## BACHELOR OF CHEMICAL ENGINEERING

Harold William Almen.....	Columbus
Ralph Keith Child.....	Washington C. H.
Marion Ferrell Conn.....	Leipsic
Ned Sharp Fox.....	Covington
John Henry Koenig.....	Columbus
Max Levine.....	Columbus
Duncan Malcolm MacLaren.....	Columbus
Gilbert Everett Mason.....	Columbus
Dwight Donald McKinney.....	West Chester
Arthur Roberts Miller, Jr.....	Logan
Ivan Albert Planck.....	Warren
Stephen Francis Reho.....	Newton Falls
Howard Moses Rife.....	Kenova, W. Va.
Alvin Barber Stiles.....	Springfield
Paul Frederick Ulmer.....	Lancaster
Adolph Gustav Wassertheurer.....	Columbus
Ray Arthur Witschey.....	New Martinsville, W. Va.

(Seventeen candidates)

## BACHELOR OF CIVIL ENGINEERING

Mark Lawrence Allen.....	Springfield
John August Bieber.....	Bucyrus
Carl A. Bryson.....	Columbus
William Everett Burroughs.....	Columbus
Charles Franklin DeLoache.....	Columbus
Irvin Theodore Fenneman.....	Lima
Paul Hegler.....	Columbus
Emmit Robert Hutchinson.....	Columbus
John Grant Joslin.....	Conneaut
Arnold Frank Kleinhenz.....	St. Marys
Henry Marshall Lear.....	Coshocton
Francis Charles Liles.....	Sandusky
John Russell Martin.....	Mansfield



Sylvan Cuyler Martin.....	Columbus
Miller Jonathan Greg Mettle.....	Columbus
John Ryan Morris.....	Highland
Arthur George Olmsted.....	Southern Pines, N. C.
Charles Victor Parker.....	Shelby
Dick Elza Stearns.....	Celina
Paul Lewis St. John.....	Toledo
Richard M. Tangeman.....	Wapakoneta
Belden Smith Tucker.....	Dayton
Max Theodore Woodall.....	Chillicothe

(Twenty-three candidates)

## BACHELOR OF ELECTRICAL ENGINEERING

Theos Alwin Barlett.....	Columbus
Roger Lewis Beard.....	Osborn
Roy Joe Black.....	Cuyahoga Falls
Donald Wisner Burger.....	Mansfield
Charles Cancik.....	Cleveland
Henry John Chanon.....	Cleveland
Nelson Miller Davis.....	Findlay
Herbert Winfred Deem.....	Columbus
Theodore Frank Deucher.....	Cleveland
Edson Manning Dill.....	Groveport
Wilbur Rosson DuBois.....	Mogadore
Winfield Harrison Gould.....	Morris, N. Y.
Albert Oakley Grooms, A.B. (Miami University).....	Columbus
Walter Bartholomew Grudosky.....	New Milford
*Paul Turner Hahn.....	Columbus
Lloyd Adrian Harshbarger.....	Swanders
Gordon Carlyle Harvey.....	Conneaut
Norman John Hoenie.....	Rockford
Henry William Hope.....	Bainbridge
Clyde Earnest Howard.....	Edgerton
Harry Marvin Johnston.....	Toledo
Karl Kramer.....	East Columbus
Stephen Walter Kuhner.....	Columbus
George Frederic Leydorf.....	Perrysburg
Ralph Frederick Miller.....	Orrville
Russell Harold Patterson.....	Columbus
Paul William Schwartz.....	Springfield
*Joseph George Svehla.....	Columbus
James Gilbert Tankovich.....	Columbus
David Edwin Thomas.....	Somerset
James Eustacious Thornton, Jr.....	Franklin
Rodney Bradford Ware.....	Cleveland
William Melvin Webster.....	Powell
Arthur Fred Wilcoxson.....	Tiffin
Ralph Irwin Wills.....	Arcanum
Ralph Mock Wise.....	Medina

(Thirty-six candidates)

## BACHELOR OF ENGINEERING PHYSICS

Willard Francis Bartoe.....	Nelsonville
Walter John Ely.....	Berkey
Joseph Clement Haban.....	Columbus
John Louis Muhleman.....	Hannibal
Brice Albert Schumacher.....	Columbus

(Five candidates)

## BACHELOR OF INDUSTRIAL ENGINEERING

Stephen A. Bogar.....	Salem
Patsy Difloure.....	Alliance

\*Two degrees.

Louis Travis Gibbs.....	Columbus
Lewis Alexander Gray.....	Lakewood
Roy Howard Hutchison, A.B. (Marshall College).....	Huntington, W. Va.
Sylvan Ellsworth Jackson.....	Portsmouth
Paul Edward Jones.....	Cardington
Joseph Edward Kiefer.....	New Bremen
*Francis Joseph Markey.....	Lewisburg
David McGee Maxwell.....	Mingo Junction
Joseph Paul Myers.....	Columbus
Wayne Samuel Phillips.....	Wellston
Curtis Morey Potter.....	Toledo
Merlin Englert Rees.....	Columbus
Norman M. Sulzer.....	Columbus
Ramon Wyer.....	Columbus

(Sixteen candidates)

## BACHELOR OF MECHANICAL ENGINEERING

Adolph Anthony Aerni.....	Cleveland
Guy Cooper.....	Kingston
Robert Elihu Cottingham.....	Columbus
Clarence Harold Culler.....	Loudonville
Eugene Osborne DeBruler.....	Toledo
Albert Chris Hansen.....	Walbridge
Carl Homer Hohenshil.....	Smithville
Ray Gordon Holt.....	Leetonia
Robert Lyman Horn.....	Columbus
Lloyd Eugene Hutsel.....	Springfield
Philip Lynn Knight.....	Portsmouth
*Francis Joseph Markey.....	Lewisburg
William Harold Nesser.....	Reynoldsburg
Harry Rickert Patterson.....	Columbus
Richard Dovel Ricketts.....	Pickerington
Jay Marshall Roth.....	Youngstown
Joe Barnes Smith.....	Marietta
*Joseph George Svehla.....	Columbus
Harold Eugene Townsend.....	Martinsville
*Thomas Frederick Woodward.....	Germantown

(Twenty candidates)

## BACHELOR OF METALLURGICAL ENGINEERING

Gerald William Downing.....	Columbus
Andrew Michael Kazimer.....	New Milford
Earl Frederick Kindinger.....	Mansfield
William Vischer Lashley.....	Wellington
Frederick Charles Morrow.....	Lakewood
Archie Robert Stevenson.....	Uhrichsville
Ernest John Teichert.....	Columbus
Floyd Charles Whitmer.....	Canton

(Eight candidates)

BACHELOR OF SCIENCE  
IN APPLIED OPTICS

Lloyd Douglas Dolbear.....	Lorain
Kenneth Arthur Hoose.....	Painesville
George Frederick Jones.....	East Cleveland

(Three candidates)

\* Two degrees.



## COLLEGE OF PHARMACY

Dean: CLAIR ALBERT DYE

BACHELOR OF SCIENCE  
IN PHARMACY

Thelma Pauline Barrows.....	Columbus
Marybodine Busey .....	Columbus
Harold D. Cramer.....	Columbus
Mary Rita Derda.....	Lakewood
Roger Ware Dolder.....	Columbus
Edwin John Fellows.....	Lima
Harry L. Hart.....	Millersburg
James Horwitz Hartford.....	East Palestine
Virgil Thurman Jenkins.....	Columbus
Stephen Lawrence Kalley .....	Cleveland
Nevin John Murray Klotz.....	Canton
Lazar Lipson, A.B. (Western Reserve University) .....	Cleveland
John Robert Long, B.Sc. in Bus. Adm.....	Columbus
William B. Mangano.....	Cleveland
Sidney Markowitz .....	Cleveland
William C. McKinley.....	Columbus
Earl Irving Rosenblum.....	Columbus
Ezra Sacks .....	Cleveland
Joseph Sacks .....	Cleveland
Harold Schottenstein .....	Columbus
Hubert Ellsworth Schwarz.....	Bowling Green
Solly Samuel Sher .....	Cleveland
John Ramon Suter.....	Portsmouth
Chester Widmeyer .....	Akron
James Henry Wiley .....	Marietta
Marion Ennis Wykoff.....	Dayton
Milton Eugene Yales.....	Cleveland
Harold Ziegler .....	Columbus
Bernard Richard Zipser.....	Cleveland
Rose Marie Zubricky.....	Lakewood

(Thirty candidates)

## COLLEGE OF VETERINARY MEDICINE

Dean: Oscar V. Brumley

## DOCTOR OF VETERINARY MEDICINE

Howard M. Aitken.....	Camp Chase
Robert Paris Armstrong, B.S. (Pennsylvania State College).....	Chambersburg, Pa.
Leonard Perry Bailey.....	South Charleston
Kenneth Leland Benner.....	Bainbridge
Paul Clifford Bennett, B.Sc. in Agr. (West Virginia University).....	Columbus
William Clinton Bowen.....	Urbana
James Thomas Burriss.....	Smithfield
Kenneth Kent Burriss.....	Smithfield
Gordon Tobias Castor.....	Canton
Paul Markel Cellar.....	Ashland
Glen Garold Crosbie .....	Camp Chase
Harmon Walter Fenner.....	Hillsboro
Walter Candel Ferrall.....	Columbiana
Charles Christian Gluhm.....	Hamilton
Amor Edward Hancock.....	Williamsport
Leo Henry Hartman.....	East Liberty
Henry Strom Magnus.....	Boston, Mass.
John Fremont McClure.....	Newtown, Ind.
Gerard Boylan Merrick.....	Columbus
Granville John Miars.....	Jackson Center
William Karl Mueller.....	San Antonio, Tex.
John Joseph Murphy.....	Malden, Mass.

Thomas Presow Nankervis.....	Ely, Minn.
Charles Robert Pastors.....	Rayland
James Ralph Peters.....	Fremont
John Lyle Putnam.....	Frankfort
Leonard Robert Richardson.....	Akron
James Lawrence Smith.....	Hillsboro
Carl Sewell States, B.S. (Wilmington College).....	Wilmington
Fritz Volkmar.....	Munich, Germany
Raymond Dean Wenger.....	Galena
Raymond Francis Witt.....	Worcester, Mass.

(Thirty-two candidates)

## PROFESSIONAL CERTIFICATES

## CERTIFICATE IN PUBLIC HEALTH NURSING

Dorothea Hamilton Stilwell, R.N.....	Columbus
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(One candidate)

## CERTIFICATE OF GRADUATE NURSE

Bessie Opal Blaney.....	Powell
Winifred Stella Butler.....	Seattle, Wash.
Evelyn Pauline DeVore.....	Findlay
Vera Burdette Dickerson.....	Sanford, Fla.
Martha Jane Dingess.....	Kenton
Olwen Mary Evans.....	Flushing
Grace Ola Gardner.....	Columbus
Wanda Mae Harper.....	Columbus
Mary Christine Hummel.....	Columbus
Helena Katherine Knicely.....	Gilbert
Mary Frances Laffin.....	Coshocton
Anna Mae LeValley.....	Rushsylvania
Helena Lenore McLaughlin.....	Otsego
Esta Louise Miller.....	Fleming
Cecelia Kathryn Nos.....	Shelby
Maxine Leona Paxton.....	Columbus
Dorothy Mable Porterfield.....	Junction City
Gladys Arleen Rank.....	Piqua
Mary Agatha Rase.....	Piqua
Maryann Reighley.....	Columbus
Dorothy Louise Root.....	Clarksburg, W. Va.
Phoebe Ann Sheldon.....	Fostoria
Martha Lucille Stephens.....	New Madison
Father Olive Swendal.....	Mansfield
Gertrude Louise Welch.....	Columbus

(Twenty-five candidates)



# SUMMARY OF THE FINANCIAL STATEMENT FOR THE YEAR ENDING JUNE 30, 1931

(A complete detailed Financial Report of the year ending June 30, 1931, is printed in separate form and may be had upon application.)

## THE OHIO STATE UNIVERSITY OFFICE OF THE BOARD OF TRUSTEES

Columbus, Ohio, July 6, 1931.

*Hon. Julius F. Stone,  
Chairman of Board of Trustees,  
The Ohio State University*

DEAR SIR:

The financial statement presented herein is that part of the Annual Report of the Board of Trustees to the Governor of Ohio, which shows the financial condition of The Ohio State University for the fiscal year ended June 30, 1931.

CARL E. STEEB,  
*Secretary*

## CONSOLIDATED STATEMENT

### BALANCE SHEET

#### ASSETS

Current Assets		
Cash in Bank and on hand.....	\$ 433,537.80	
Deposits .....	454.00	
State Appropriations .....	1,113,455.52	
Inventories .....	312,054.72	
		\$1 859,502.04
Investment Assets		
State Treasurer .....	1,136,456.61	
University Treasurer .....	39,318.13	
		1,175,774.74
Educational Plant		
Lands .....	2,841,972.91	
Land Improvements .....	1,374,614.91	
Ohio Stadium .....	1,801,049.13	
Buildings .....	10,670,086.89	
Equipment of Departments.....	5,112,702.71	
		21,800,426.55
Total Assets .....		\$24,335,703.33
		LIABILITIES
Contingent Liabilities (State Appropriations).....		\$ 1,113,455.52
Endowment Fund Liabilities		
Funds for General Purposes.....	\$ 968,968.38	
Funds for Special Purposes.....	184,688.23	
		1,153,656.61
Trust Fund Liabilities.....		22,118.13
Capital Account .....		22,046,473.07
Total Liabilities .....		\$24,335,703.33

## INCOME AND EXPENDITURES

Cash Balance July 1, 1930.....		\$ 652,405.09
Total Income for year.....	\$ 8,963,119.75	
Less funds paid to State Treasurer and not available for the University .....	4,187.29	
Total Available Income.....	8,958,932.46	
Total Expenditures for year.....	9,177,799.75	
Deficit for the year.....		218,867.29
Cash Balance June 30, 1931.....		433,537.80

## INCOME

INCOME FROM STUDENTS:		
Tuition and incidental fees.....	790,017.50	
Special fees, degrees, etc.....	14,019.00	
Gymnasium locker rent.....	9,903.00	
		813,939.50
INCOME FROM ENDOWMENTS:		
For general purposes.....	13,045.88	
For designated purposes.....	9,592.85	
		22,638.73
FEDERAL AID:		
Land-grant Act of July 2, 1862.....	31,450.60	
Land-grant—Virginia Military Lands.....	13,640.38	
Additional Aid—Acts of Aug. 30, 1890, and March 4, 1907.....	50,000.00	
Agricultural Extension Work—Acts of May 8, 1914, July 24, 1919, and January 17, 1928.....	298,820.21	
		393,911.19
STATE AID:		
Current Expenses .....	4,088,789.27	
Capital Improvements .....	710,567.02	
Agricultural Extension .....	374,204.97	
		5,173,561.26
GIFTS FOR CURRENT EXPENSES:		
For designated purposes.....	80,101.65	
		80,101.65
INCOME FROM OTHER SOURCES:		
Agricultural Extension		
Boys' and Girls' Club Work.....	6,845.90	
County Agents' Funds from Counties.....	239,220.76	
Farmers' Institutes .....	14,875.00	
Rotary .....	2,254.84	
		263,196.50
For Designated Purposes		
Class of 1927—Interest on Gift.....	172.81	
Class of 1929—Interest on Gift.....	40.06	
Class of 1930—Interest on Gift.....	69.39	
Commutation of Uniforms.....	37,480.00	
*Miscellaneous Sales.....	4,187.29	
Return of Loans.....	232.64	
State Board of Education (Smith-Hughes).....	47,102.53	
Student Medical Service.....	28,577.00	
		117,861.72



## FINANCIAL REPORT

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## Departmental Earnings

Applied Optics .....	5,995.25
Clinic .....	3,587.62
Dental Clinic.....	35,075.73
Dispensaries .....	2,068.45
Engineering Experiment Station.....	1,039.37
Farm Rotary.....	123,210.20
Lantern .....	14,120.31
Laundry .....	1,736.65
Ohio Biological Survey.....	357.85
Starling-Loving Hospital.....	157,235.54
University Publications.....	4,649.66
Veterinary Clinic.....	6,541.06

355,617.69

## DORMITORIES AND DINING HALLS:

Home Economics Cafeteria.....	210.36
Pomerene Cafeteria.....	44,108.95
Residence Halls for Women.....	180,676.16
Stone Laboratory Dining Hall.....	3,878.47

228,873.94

## COMMERCIAL ACCOUNTS:

Photograph Department.....	15,937.71
Telephone Account.....	25,431.47
University Bookstore.....	98,134.58
University Print Shop.....	142,130.14
Warehouse .....	471,586.82

753,220.72

## SUBSIDIARY COMMERCIAL ACCOUNTS:

Dairy Department—Official Testing.....	14,633.12
Journal of Higher Education.....	6,949.01
Ohio College Association.....	10,686.45

32,268.58

## ATHLETIC DEPARTMENT..... 727,928.27

727,928.27

Total Income.....	8,963,119.75
Less funds (*) paid to State Treasurer and not available for the University.....	4,187.29

Total Available Income..... 8,958,932.46

## CLASSIFIED EXPENDITURES

## EXPENSES:

Salaries .....	4,775,928.60
Boys' and Girls' Club Work.....	6,824.66
Coal and Gas.....	87,349.95
Employees and Extra Labor.....	224,930.07
Feed for Livestock.....	32,509.75
Field Work—Agricultural Extension.....	147,220.30
Food Supplies .....	82,690.62
Freight and Cartage.....	8,969.48
Incidentals .....	70,597.67
Laboratory and Educational Supplies.....	165,738.37
Materials and General Supplies.....	239,231.78
Printing .....	79,628.54
Refunds—Military Uniforms .....	34,487.37
Repairs to Equipment.....	20,883.44

## ANNUAL REPORT

Scholarships and Student Aid.....	15,813.49	
State Teachers' Retirement System.....	43,388.92	
Stationery and Office Supplies .....	85,644.37	
Telephone and Telegraph.....	27,419.61	
Travel .....	31,687.53	
Water .....	32,024.70	
		<hr/>
		6,212,969.22
EQUIPMENT:		
Apparatus .....	101,304.47	
Books .....	59,075.96	
Collections .....	543.98	
Furniture and Fixtures.....	116,205.61	
Livestock .....	9,655.80	
Machinery, Tools, and Appliances.....	180,958.98	
		<hr/>
Total Equipment .....		467,744.70
LANDS .....	78,494.87	
NEW BUILDINGS .....	624,670.80	
ADDITIONS TO BUILDINGS.....	59,999.69	
IMPROVEMENTS .....	25,327.04	
		<hr/>
Total .....		788,492.40
DORMITORIES AND DINING HALLS:		
Pomerene Cafeteria .....	41,697.40	
Residence Halls for Women.....	163,411.26	
Stone Laboratory Dining Hall.....	2,900.21	
		<hr/>
Total Dormitories and Dining Halls.....		208,008.87
COMMERCIAL:		
Photograph Department .....	14,558.88	
Telephone Account .....	25,276.27	
University Bookstore .....	97,757.83	
University Print Shop.....	145,244.80	
Warehouse .....	450,172.59	
		<hr/>
Total Commercial .....		733,010.37
SUBSIDIARY COMMERCIAL:		
Dairy Dept.—Official Testing.....	14,323.60	
Journal of Higher Education.....	5,458.71	
Ohio College Association.....	10,347.44	
		<hr/>
Total Subsidiary Commercial.....		30,129.75
ATHLETIC DEPARTMENT .....		737,444.44
		<hr/>
Total Expenditures .....		9,177,799.75

## BALANCE SHEET JUNE 30, 1931

## ASSETS

CURRENT ASSETS:		
Cash in bank and on hand for current expense.....	\$	433,537.80
Deposits .....		454.00
Auditor of State, Special Appropriations.....		1,113,455.52
Inventories .....		312,054.72
INVESTMENT ASSETS:		
State Treasurer (Irreducible debt of the State).....		1,136,456.61
Ohio State University Treasurer.....		39,318.13
EDUCATIONAL PLANT:		
Lands, Buildings, and Equipment.....		21,300,426.55
		<hr/>
Total Assets.....		\$24,335,703.33



## LIABILITIES

## CONTINGENT LIABILITIES:

Special State Appropriations.....\$ 1,113,455.52

## ENDOWMENT FUNDS:

Funds for General Purposes, Invested..... 968,968.38

Funds for Special Purposes, Invested..... 184,688.23

TRUST FUNDS:..... 22,118.13

CAPITAL ACCOUNT:..... 22,046,473.07

Total Liabilities.....\$24,335,703.33

## GIFTS FOR GENERAL AND DESIGNATED PURPOSES

The following items are turned into the State Treasury to the credit of Rotary Funds for use by the University:

<i>From Whom</i>	<i>Purpose</i>	<i>Amount</i>
Alpha Epsilon Phi.....	Student Loan Fund.....	\$ 100.00
American Face Brick Association.....	Kiln Firing Research.....	1,000.00
American Foundrymen Association.....	Research Work in College of Engineering..	350.00
American Society Mechanical Engineers.....	Fellowship in College of Engineering.....	1,000.00
Bailey Meter Company.....	Fellowship in College of Engineering.....	1,175.00
Barrett Company.....	Fellowship in College of Engineering.....	1,000.00
Carnegie Corporation of New York.....	Expenses in Adult Education.....	2,500.00
Carnegie Corporation of New York.....	Purchase of Books for Dentistry.....	1,000.00
Class of 1930.....	Senior Memorial Fountain.....	1,600.00
Chilean Nitrate of Soda.....	Research Work in College of Engineering..	600.00
Columbus Scholarship Society.....	Student Loan Fund.....	735.00
Detroit Community Fund.....	Research Work in Sociology.....	300.00
Detroit Alumnae Association.....	Student Loan Fund.....	150.00
E. I. du Pont de Nemours Company.....	Fellowship in College of Engineering.....	750.00
Educational Conference.....	Program of the Educational Conference...	100.00
General Education Board.....	Fellowship in Ceramic Arts.....	4,000.00
General Electric Company.....	Rural Electrification Project.....	642.50
Graduate School.....	Publication of Doctors' Dissertations.....	8,190.00
Home Economics Nursery.....	Purchase of Equipment.....	2,205.00
Ironton Chamber of Commerce.....	Study of Lawrence County Clay.....	800.00
Kay-Fries Chemical Company.....	Fellowship in College of Engineering.....	800.00
Maumee Color Company.....	Fellowship in College of Engineering.....	750.00
Mining Extension.....	For Night Classes in Mining.....	500.00
National Electric Light Association.....	Rural Electrification Project.....	5,354.45
National Kraut Packers' Association.....	Fellowship in College of Agriculture.....	1,000.00
National Academy of Sciences.....	Equipment for Chemistry.....	600.00
Neil Hall Student Loan Fund.....	Student Loan Fund.....	237.59
Ohio Federation of Women's Clubs.....	Latin American Scholarship.....	800.00
Ohio Coal Investigation.....	Research Work in College of Engineering..	396.22
Payne Experimental Fund.....	Research Work in College of Education...	16,807.48
Phi Upsilon Omicron.....	Student Loan Fund.....	80.00
Pittsburgh Alumnae Association.....	Student Loan Fund.....	100.00
Pittsburgh Plate Glass Company.....	Calcium Chloride Fellowship.....	800.00
Potash Export Company.....	Fellowship in College of Agriculture.....	1,000.00
Presser Foundation.....	Scholarship in College of Education.....	250.00
Pullman Company.....	Scholarship in College of Agriculture.....	500.00
State Department of Education.....	Expenses in Parental Education.....	14,793.37
State Department of Education.....	Expenses in Radio Institute.....	2,213.24
Structural Clay Tile Association.....	Research Work in College of Engineering..	4,121.80
Synthetic Nitrogen Products Corporation.....	Research Work in College of Engineering..	200.00
Tau Beta Pi.....	Fellowship in College of Engineering.....	600.00
Total .....		\$80,101.65

